

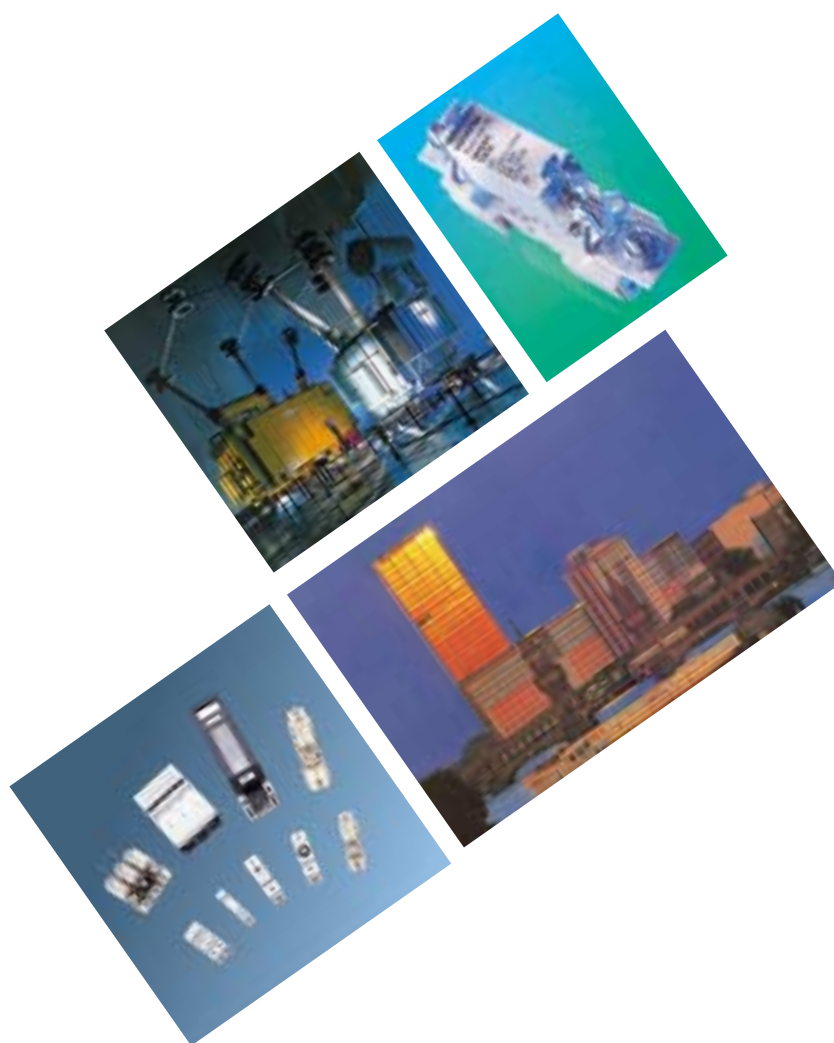
SIEMENS

低压熔断器系统

Fuse System

目录 2002

Catalog 2002



电气安装技术部发行的各类产品样本

List of all Catalogs from Electrical Installation Technology (ET)

电气安装技术 Electrical Installation Technology	产品样本	
	Catalogs	
	小型断路器、剩余电流保护断路器和模数化产品	(中 / 英文)
	Miniature Circuit-Breakers, Residual Current Operated Circuit-Breakers and Modular Devices	(Chinese/English)
	低压熔断器系统	(中 / 英文)
	Fuse System	(Chinese/English)
	雷击，过电压 - 不再是问题	(中文)
	Thunderstorms - no problem	(Chinese)
	西门子建筑电器目录	(中文)
	Electrical Installation Technology Catalog	(Chinese)
	终端配电保护产品	(中文)
	5 IN 1	(Chinese)
	SIKUS 和 STAB UNIVERSAL 目录	(中文)
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	SIKUS HC 目录	(中文)
	SIKUS HC Catalogue	(Chinese)
	Sentron™ 母线槽 (准备中)	(中文)
	Sentron™ Busway System (in preparing)	(Chinese)
	建筑低压配电一体化解决方案 - 住宅小区应用	(中文)
	Building LV PD Solution	(Chinese)
	西门子 DELTA vista “远景”系列开关和插座价目表	(中文)
	Delta vista Switch and Socket Pricelist	(Chinese)
	instabus EIB 面向未来的楼宇智能控制系统	(中文)
	instabus EIB	(Chinese)
	instabus EIB 面向未来的楼宇智能控制系统技术手册 (准备中)	(中文)
	instabus EIB technical handbook (in preparing)	(Chinese)
	西门子电气安装技术业绩卓越	(中 / 英文)
	ET Reference Manual	(Chinese/English)

请将您的要求寄往与您最近的西门子办事处

Please direct requests to your Siemens branch office

注意：

技术数据旨在提供一般信息。在安装和维修时必须严格遵守使用说明书以及产品上标识的提示。

Warning:

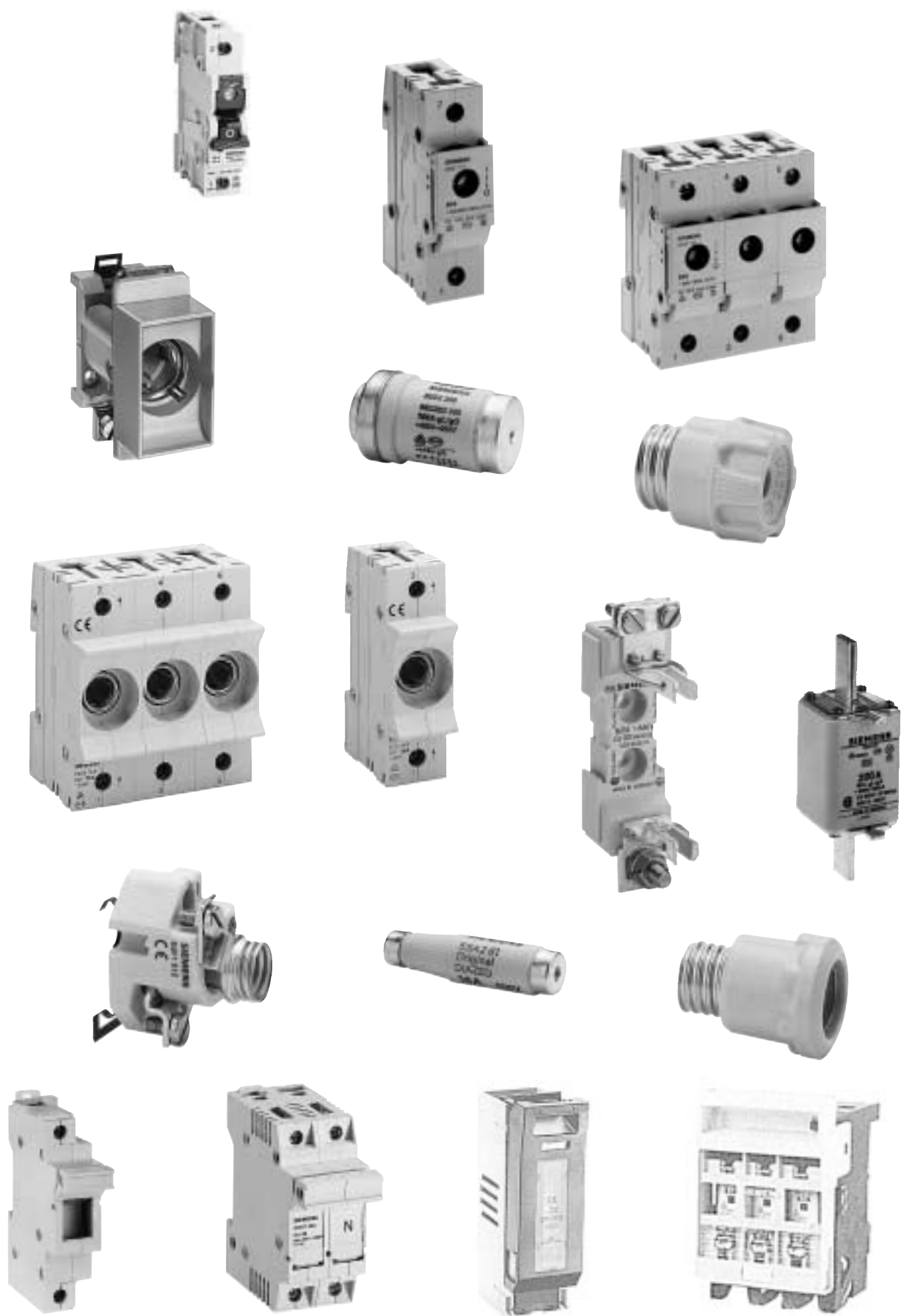
The technical data stated only for general information purposes. When installing, operating or maintaining equipment the operating instructions/Assembly instructions and the information stated on the equipment must be taken into consideration.

低压熔断器系统

Low Voltage Fuse Systems

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低压熔断器
 Low-Voltage Fuses



技术数据总表				General technical data		
	NH	SITOR	Cylindrical	NEOZED	DIAZED/SILIZED	MINIZED
标准 Standards	DIN VDE 0636 DIN VDE 0680 IEC 269 EN 60 269	DIN VDE 0636 IEC 269 EN 60 269	IEC 269 NF C 60 200 NF C 63 210 NF C 63 211 NBN C 63 269- 2-EN-2-1 CEI 32-4	DIN VDE 0636 DIN VDE 0680 IEC 269 EN 60 269	DIN VDE 0635 DIN VDE 0636 DIN VDE 0680 IEC 269 IEC 241 CEE 16 EN 60 269	DIN 0638 EN 60947-3
外形尺寸 Dimensions	DIN VDE 43 620 DIN VDE 43 623	DIN 43 620 DIN 43 623	IEC 269-2-1	DIN VDE 49 522 DIN VDE 49 523 DIN VDE 49 524 DIN VDE 49 525	DIN VDE 49 510 DIN VDE 49 511 DIN VDE 49 514 DIN VDE 49 515 DIN VDE 49 516	DIN 43880
工作等级 Operating classes	gL/gG, aM	aR, gR	gG, aM	gL/gG	gL/gG, gR. 慢动作, 快动作 slow, quick response	
额定电压 V Rated voltage	AC 500/690 DC 250/440	AC 600/690/1000	AC 400/500	AC 400/415 DC 250	AC 500/600/750 DC 500/600/750	AC 400/415 DC 48/110
额定电流范围 A Rated current range	2 - 1250	16-900	0.5-100	2 - 100	2 - 100	2-63
额定分断能力 kA Rated breaking capacity	AC 120 (00:50) DC 50/100	> AC 50	AC 100	AC 50 DC 8	AC 50 (E16:40) DC 8 (E16:1.6)	AC 50 DC 8
使用位置 Mounting position	任意, 但优先垂直 as desired but preferably vertical	任意, 但优先垂直 as desired but preferably vertical	任意, 但优先垂直 as desired but preferably vertical	任意, 但优先垂直 as desired but preferably vertical	任意, 但优先垂直 as desired but preferably vertical	任意, 但优先垂直 as desired but preferably vertical
耐气候性 °C Resistance to climate rel. humidity	-30 至 +50 在 95% 相对湿度时 up to -30 to +50 at 95% rel. humidity	-30 至 +50 在 95% 相对湿度时 up to -30 to +50 at 95% rel. humidity	-30 至 +50 在 95% 相对湿度时 up to -30 to +50 at 95% rel. humidity	至 45 在 95% 相对湿度时 up to 45 at 95% rel. humidity	至 45 在 95% 相对湿度时 up to 45 at 95% rel. humidity	至 45 在 95% 相对湿度时 up to 45 at 95% rel. humidity
不可互换性 Non-interchangeability	不需要 not necessary	不需要 not necessary	不需要 not necessary	采用套管式配合件 by sleeve adapters	采用配合螺丝或配合环 by sleeve adapters or ring adapters	采用套管式配合件 (只对 MINIZED D02) by sleeve adapters (only for MINIZED D02)
应用 Application	导线保护 cable protection 电动机保护 motor protection	电动机保护 motor protection	导线保护 cable protection 电动机保护 motor protection	导线保护 cable protection	导线保护 / 半导体保护 cable protection/ semiconductor protection	导线保护 cable protection
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低压熔断器

Low-Voltage Fuses

技术数据

Technical data

优点

NEOZED、DIAZED、NH、Cylindrical 和 SILIZED-熔断器体系具有稳定的、始终一致的质量水平

额定功耗低, 经济性高, 发热小
额定分断能力高, 从最小的不允许过载电流至最大的短路电流, 都能被安全而可靠地分断

选择性比例的分级细, 使导线截面获得最佳利用

限流特性强, 能可靠地保护供电系统各部分

在常年持续运行中保持可靠的功能

抗老化稳定性高, 从而避免出现不必要的运行事故

在各种温度条件下保证特性曲线的稳定不变

品种规格齐全, 适宜用于各种应用场合

附件多而实用, 提高了接触安全性

在世界上许多国家中已通过认证试验, 取得认证证书

应用举例

熔断器担负的主要任务是为电线电缆作过载与短路保护, 不论短路电流值有多高, 它都能切断。其次, 也适宜用作设备和电器的保护。

熔断器能担负的任务与使用条件有:

为避免出现不必要的运行事故, 可用在选择性要求较高的辐射式电网和格子式电网中

小型断路器或塑壳式断路器进线的后备保护

在可能出现短时过载和短路的电动机回路中担负保护任务

开关电器, 如接触器和马达启动器的短路保护

在用于符合标准规定的过电流 - 保护装置进行分断的 TN-和 TT-系统中, 在出现故障时, 熔断器也能防止危险的、过高的接触电压的存在。

熔断器的应用领域不断开拓与扩大, 已从住宅建筑-电气安装, 延伸到高层建筑、工业、供电行业 (EVU) 以及设备制造、开关设备与工业控制系统。

MINIZED 熔断器隔离开关的设计确保 NEOZED 熔体在不带电状态下的更换, 使过载情况下的安全开关成为可能, 分断能力也至 50kA。因此, MINIZED 熔断器隔离开关特别适用于主开关的计量区以及选择性, 控制和工业领域的应用, 尤其是在需要很高的开关能力, 安全可靠的操作性, 选择性和空间最小化的要求下。

Advantages

Consistently high quality system for NEOZED, DIAZED, NH Cylindrical and SILIZED fuses

Low power losses for high economy and minimal heating

Safe and reliable breaking capacity from the smallest dangerous overload current up to the largest

short-circuit current

Finely graded selectivity level for the optimal use of cable cross sections

Strong current limiting to protect all parts of the installation

Reliable function over long life of continuous operation

High Resistance to ageing thus avoiding unnecessary

operational faults

Constant characteristics even under different temperature conditions

Extensive program for all types of application

Wide range of practical accessories, also for increasing protection against shock

Approved in many countries of the world

Applications

Fuses are primarily used for the protection of cables and conductors against overload and short-circuit currents, regardless of level, and are also suitable for the protection of equipment and systems.

Amongst the many tasks and different uses for fuses, are the following included:

A high measure of selectivity available in radial and ring networks for the avoidance of unnecessary operational faults
For back-up protection of MCBs or MCCBs for cable feeders
For protection of motor circuits in which operational short-term overloads and short-circuits can appear

Short circuit protection for switching devices such as contactors and motor starter protectors.

For TN and TT-networks where disconnection by means of the normal overcurrent protection arrangement, fuses in the event of a fault prevent the continuation of dangerously high touch voltages.

The field of application for fuses is wide and extends from residential installations to applications in commercial buildings, industrial installations, power supply utilities, equipment manufacturers, and are also incorporated in switchboards and control panels.

The design of the MINIZED switch-disconnector ensures that the NEOZED fuse links are replaced in a voltage-free condition and makes possible safe switching of overload and short-circuit currents up to 50kA. The MINIZED is therefore particularly suitable for use in metering areas as the main switch and for selective duties, in control and industrial applications, where a high switching capacity, safe and reliable operation, selectivity and minimum spacing is required.

低压配电屏

Low-voltage

distribution board



技术数据

NH- 熔断器

低压高分断能力 (NH)- 熔断器是由 NH-熔断体和 NH-熔断器底座组成,应用 NH-熔断器插拔手柄可将 NH-熔断体插入或拔出 NH-熔断器底座。

NH-熔断器符合 DIN 43 620 标准,有 7 个制造等级,额定电流从 2 至 1250A,额定电压按不同的制造系列有 AC 500V/DC 440V (除制造等级 00, DC250V 之外) 或 AC 690V/DC 440V。

LV HRC Fuses

Low voltage HRC (High-Rupture-Capacity) fuses are comprised of the LV HRC fuse link and the LV HRC fuse base. The LV HRC fuse puller is a tool for placing/ replacing the LV HRC fuse links. LV HRC fuses are available in 7 different sizes according to DIN 43620 from 2 to 1250 A. The rated voltage is according to the model AC 500 V/DC 440 V (excluding Gr. 00, DC 250 V) or AC 690 V/DC 440 V.

SITOR 熔断器

SITOR 熔断体作为低压高分断能力熔断器的一种,主要用于需要快速动作的半导体短路保护,特别是晶闸管、GTOs 和二极管的保护。由于它的独特设计,熔断体在负载切换时显得特别稳定。当在短路时考虑到时间常数,SITOR 熔断体还可以用于直流回路。对于额定电流值 63A 的 3NE 32.., 3NE 33.., 3NE 41.., 3NE 80.. 和 3NE 87.. 系列 (3NE 87.. 系列 32A) 的熔断体,由于它们都具有很快的动作特性,故可用于工作等级为 aR (局部范围的半导体保护) 的设备。

新的 3NE1...0 系列额定电流为 16A 至 630A 的熔断体,工作等级为 gR (全范围的半导体保护)。熔断体可以同时适用于线路保护 (过载和短路保护),也可以用于半导体保护,这种过载保护取决于工作电源的变化 (电压变化) 的使用条件。

SITOR Fuse links

SITOR fuse links are very quick response fuse links of the low-voltage HRC type for short-circuit protection of power semiconductors, especially of thyristors, GTOs and diodes. By virtue of their design, the fuse links are particularly stable under alternating loads. When considering the time constants in the shorted circuit, the SITOR fuse can also be used in DC circuits. Except for the rated currents $\leq 63A$ (series 3NE87.. $\leq 32A$) the series 3NE32.., 3NE33.., 3NE41.., 3NE80.. and 3NE87 have operating class aR (accompanied semiconductor protection) by virtue of their very quick acting characteristic. The new series 3NE1...0 with rated currents of 16 A to 630A, however, has the operating class gR (general purpose semiconductor protection). The fuse links of this series are suitable both for line protection (overload and short-circuit protection), as well as for semiconductor protection. Their overload behaviour is matched to the operating conditions of voltage-source converters (U converters).

NEOZED- 熔断器

NEOZED-熔断器有 3 个制造等级,额定电流从 2 至 100A,额定电压至 AC 415 V/DC 250V。其外形尺寸紧凑,但额定通断能力却高达 50kA (至 AC 415V) 或 8kA (至 DC 250V)。

D01/D02-塑料制成的熔断器底座可用于小型配电屏。

合适的 N NEOZED-螺旋式帽盖是涂有黑色,所以作为操作元件,装在建筑安装用配电箱中很容易识别。

额定电流 - 不可互换性,从 6A 起,级与级之间是通过可插装的套管式配合件来保证的。

NEOZED-fuse

NEOZED fuses are available in three sizes from 2 to 100 A rated current and a rated voltage up to AC 415 V/DC 250 V. Despite compact dimensions the rated breaking capacity is 50 kA (up to AC 415 V) or 8 kA (up to DC 250 V). For type distribution boards there are D01/D02 moulded plastic fuse bases. The associated N type NEOZED screw caps are coloured black and therefore as an operating element within a distribution board easily recognisable. The rated current non-interchangeability is from 6 A upwards. This is guaranteed by using a unique adapter sleeve for each current rating.

DIAZED- 熔断器

在 DIAZED-体系中共有 5 个制造等级,其中 DII 型和 DIII 型可在建筑安装用配电箱中直接卡装在帽形安装轨上。它们是为额定电压至 AC 500V 而设计的。

对于特殊电网也可提供额定电压至 AC 690V¹⁾ DIAZED-熔断体。NEOZED-以及 DIAZED-熔断器体系也允许非专业人员操作。因此,从 6A 起,要求额定电流的不可互换性必须通过装容不同规格熔断体的底部接触塞以及插在熔断器底座中的配合压环来保证。

为了 DIAZED-熔断器的可靠接触与功能,在使用 DIAZED-熔断器底座时也必须使用与其相匹配的螺旋帽盖。额定电流不可互换性是指不能使用大于规定额定电流的熔断体。对于不同的额定电流,指示器薄片采用不同的颜色来标识。

DIAZED-fuse

In the DIAZED system there are five sizes of these, the sizes DII and DIII can be mounted in the distribution boards on mounting rail. They are designed for rated voltages up to AC 500V. For special networks DIAZED fuse links for rated voltages up to AC 690V¹⁾ are also available. The NEOZED as well as the DIAZED fuse systems are suitable for amateur operation. Therefore the required non-interchangeability from 6A, is ensured by the base contact stud, respective fuse links and particular adapter fitted in the fuse base. For safe contacting and functioning of DIAZED fuses and adapter screws it is necessary that DIAZED fuse bases are used. Rated current non-interchangeability means, that fuse links with a higher rated current than specified cannot be fitted. The fuse indicators are marked in a different colour, according to the rated current.

¹⁾ 不适宜安装在小型配电柜中。

Not suitable for flush mounting in small distribution boards

SILIZED- 熔断体

SILIZED- 熔断器的特性能与大功率可控硅和二极管的负载特性曲线相配合,因此可用作半导体保护,特别适用于保护这类元件以及由这类半导体元件组成的设备。

工作等级 gR 的 SILIZED 熔断体,由于它具有特别高的限流能力,所以安装位置上出现的预期短路电流允许是任意的值。

SILIZED fuse links

For semiconductor protection the characteristics of the SILIZED fuses are especially adjusted to match the load characteristics of power thyristors and diodes. They are therefore suitable for the protection of these components and/or devices equipped with these semiconductors.

The fuse links SILIZED has an operating class gR due to its especially high current limiting capability it can be placed as desired regardless of how high the prospective short-circuit current is.

MINIZED- 熔断器

MINIZED 是一种使用 NEOZED 熔体的隔离开关。一种机械式的内部锁扣确保每一极的 NEOZED 熔体都紧密地安装后才可以被合上。NEOZED 熔体和隔离开关作为一个整体装配使用。当开关断开时,所有可接触的金属部分都不带电。(对 MINIZED 的 D02 型,无论进线接在哪一侧。)

NEOZED 的 D01 型熔体额定电流至 16A。

MINIZED 的 D02 型也适用 D01 熔体,额定电流从 2 至 63A。(2 至 16A 只配合 5SH5 400 特殊套环使用)对于 MINIZED 的 D02 型,进线电缆截面至 35mm²,可以从上端或下端进出线并同时连接汇流排。

MINIZED-fuse

The MINIZED is a switch-disconnector for NEOZED fuse links. A mechanical interlock prevents closing, unless the NEOZED fuses for each pole, have been firmly engaged and/or screwed tightly then switching on is possible.

NEOZED fuse links and the switch-disconnector part are assembled as an unit switched in series. In the switched off state all the touchable metal parts are voltage-free (for MINIZED D02 regardless of which side that incomer is connected to).

The model D01 is for NEOZED fuse links up to a rated current of 16A.

The MINIZED D02 can accept D01 as well as D02 fuse links from 2 to 63A (from 2 to 16A only with special retaining spring 5SH5 400).

For the MINIZED D02 both feeder cables up to 35mm² and busbars are simultaneously connectable to the top and bottom terminals.

技术数据

选择性

在供电系统中，通常是若干个熔断器相串联。选择性是指在出现故障时，保证在供电系统中只断开发生故障的回路，并不中断全部运行过程。

西门子出品的工作等级为 gL/gG 的熔断器在额定电压至 AC 230V 时，它们之间的相互选择性比例为 1:1.25，即额定电流等级与额定电流等级之比，这是由于其离散范围仅为 5% 的时间/电流特性曲线。很明显，这比标准要求的 1:1.6 要优越得多。由于额定电流的减小，导线截面的尺寸设计也就相应缩小。

Selectivity

In an installation as a rule several fuses are connected in series. Selectivity ensures that in an emergency, only the plant in the disturbed circuit is disconnected, and not the entire operation. Siemens fuses with operating class gL/gG for a rated voltage to up to AC 230V are mutually selective in the ratio 1:1.25, i.e. from rated current type to rated current type. This is due to the much slighter tolerance range, of the time/current characteristic curve. The standard requires a ratio limit of 1:1.6 which our fuses clearly exceed. The cable sizes due to the smaller rated currents can also be reduced.

工作等级

熔断器是根据其功能来划分其工作等级的。此时，第 1 字母表示功能等级，而第 2 字母是表示被保护的对象。

第 1 字母

a 局部范围保护 (后备保护熔断器)
g 全范围保护 (一般用途熔断器)

第 2 字母

G 电缆和导线保护 (一般应用)
M 开关电器保护 (电动机回路的保护)
R 半导体保护 (用作整流器保护)
L 电缆和导线保护 (根据 DIN VDE 规定)

此外，在 DIAZED-熔断器上标识 “慢动作” 与 “快动作”，IEC/CEE/DIN VDE 中都对此作了规定。

“快动作”特性是指熔断器在短路条件下的断开速度要快于工作等级 gL/gG。用于直流-铁道供电系统中的 DIAZED-熔断器为“慢动作”特性，它特别适用于分断具有较大电感的直流电流。

熔断器的快动作和慢动作特性也适用于保护电缆和导线，全范围-熔断器 (gL/gG、gR、快动作、慢动作)，它既能安全可靠地断开过载电流，也能安全地断开短路电流。

局部范围熔断器只能用作短路保护 (aM、aR)。

下列的工作等级，均包括在我们的产品目录中：

gL (DIN VDE)/gG (IEC)
全范围的电缆和导线保护
aM (DIN VDE/IEC)
局部范围的电动机回路保护
aR (DIN VDE/IEC)
局部范围的半导体保护
gR (DIN VDE/IEC)
全范围的半导体保护
快动作
全范围的电缆和导线保护
慢动作
全范围的电缆和导线保护

Operating Class

The function of the fuse determines its operating class. Thereby the first letter gives the function class and the second gives the protection object:

1. Letter

a accompanied fuses
g general purpose fuses

2. Letter

G general applications
M for protection of motor circuits
R for protection of rectifiers
L cable and line protection (to DIN VDE)

Furthermore the DIAZED fuses are marked with the words trag (trag=slow) slow and flink (flink = quick). These are defined in IEC/CEE/DIN VDE.

Under short-circuit conditions, fuses with the quick characteristic operate more quickly than fuses with an operating class gL/gG. For DC Traction systems that have large inductive DC currents the DIAZED fuses with the slow characteristic, are specially suited for this application.

Both characteristics are also suitable for the protection of cables and conductors. General purpose fuses (gL/gG, gR, quick, slow) safely disconnect both dangerous overload and short-circuit currents.

Accompanied fuses (aM, aR) are exclusively for short-circuit protection.

Following operating classes are in the program:

gL (DIN VDE)/gG (IEC)
General purpose cable and line protection
aM (DIN VDE/IEC)
Accompanied motor circuit protection
aR (DIN VDE/IEC)
Accompanied semiconductor protection
gR (DIN VDE/IEC)
General purpose semiconductor protection
quick (DIN VDE/IEC/CEE)
General purpose cable and line protection
slow (DIN VDE)
General purpose cable and line protection

分断能力

熔断器突出的优点是额定分断能力高，而占地体积小，有关试验的基本要求与试验回路数据如电压、功率因数、分断相等在德国标准 (DIN VDE 0636) 和国际标准 (IEC 269) 中都有详细规定。

为了保证从最小过载电流至最高短路电流范围内稳定的额定分断能力，在设计和制造熔断器时必须重视许多质量特征，例如除了熔体设计外，对熔体的外形尺寸、冲裁图形及其在熔管中的位置、熔管的抗压强度和温度交变强度以及石英砂的化学纯度、颗粒大小和振实密度都具有重要意义。

在交流电压时，NEOZED 熔断器和大部分 DIAZED-熔断器的额定分断能力为 AC 50kA (见第 1/6 页)，NH-熔断器甚至可达 AC 120kA。

Breaking capacity

The fuses distinguish themselves with their high rated breaking capacity and minimal space requirements. The basic requirements and circuit data for the testing, i.e. voltage, load factor, switching angle etc. is detailed in the national (DIN VDE 0636) and international (IEC 269) standards.

For consistent reliable breaking of any current ranging from the smallest overload current up to the very high short-circuit currents, quality features such as the design and method of manufacturing the fuses should be considered.

So for example besides designing the fuse element to standard dimensions and manufacturing processes and positioning it in the fuse body, the resistance to pressure and temperature change to the fuse body as well as the chemical purity, grain size and density of the quartz sand are also of significance.

The rated AC breaking capacity for NEOZED and the majority of DIAZED fuses (see page 1/6), is AC 50 kA. For LV HRC fuses it is AC 120 kA.

限流

除了稳定的额定分断能力以外，熔断体的限流作用对供电系统的经济性起着重要的作用。用熔断器分断短路时，短路电流在熔断体分断之前是不断地流入电网。短路电流只受到电网阻抗的限制。

通过熔体的全部狭窄处的同时熔化，产生一连串的一段一段电弧，它具有极强的限流作用，保证了快速分断。

同样，限流特性在很大程度上是决定于熔断体的制造质量。西门子·熔断器具有极高的限流特性。

电弧的快速建立与准确的熄灭是保证可靠分断能力的先决条件。

Current limitation

Along with a reliable rated breaking capacity the current limiting effect of fuse links can have a significant influence regarding the economy of an installation.

By the simultaneous melting of all narrow parts of the fuse element, partial electrical arcs lying in series occur, which assure quick breaking with greater current limitation. The current limitation is therefore influenced substantially by the quality of manufacture, which with Siemens fuses is exceptionally high. Quick arc establishment and exact quenching are the requirements for a secure breaking capacity.

熔断器与电缆 - 和导线保护的匹配

根据 DIN VDE 0100 第 430 部分的规定，在过载时，熔断器与电缆 - 和导线保护的匹配需满足下述条件：

(1) $I_B \quad I_N \quad I_Z$ (标称电流规则)

(2) $I_2 = 1.45 \times I_N$ (脱扣规则)

I_B : 回路的工作电流

I_N : 应用保护装置的额定电流

I_Z : 电缆或导线在规定工作条件下的允许载流能力

I_2 : 保护装置在规定条件下的脱扣电流 (大试验电流)

考虑到可能使用的保护装置 (例如熔断器) 的分断特性，为了在导线使用率与保护水平之间求得的妥协，取倍数 1.45 是已被国际认可的。

西门子出品的制造等级 gL/gG 的熔断体符合 DIN VDE 0636 补充标准的规定，完全能满足条件：

“根据上述 DIN VDE 0636 补充标准规定，在特殊试验条件下，用 $I_2 = 1.45 \times I_N$ 在常规的试验时间内分断”

因此，可以实现直接匹配。



Co-ordination for cable and line protection

To ensure co-ordination of fuses with regard to cable and line protection during overload, in accordance with DIN VDE 0100 Part 430 the following conditions apply:

(1) $I_B \quad I_N \quad I_Z$

(Nominal current range)

(2) $I_2 = 1.45 \times I_N$

(Tripping range)

I_B : Operating current of the circuit

I_N : Nominal current of selected protective device

I_Z : Permissible current loading capacity at given operating conditions for the cable or line

I_2 : Tripping current of the protective device under determined conditions (large test current)

The factor 1.45 is in the meantime an internationally accepted compromise between utilisation and level of protection for a conductor, when considering the disconnection limits and the possible protective device (e.g. fuses).

Siemens fuse links of the operating class gL/gG completely conform with the supplementary parts of the standard DIN VDE 0636 the conditions being: Disconnection with $I_2 = 1.45 \times I_N$ for the conventional continuous test under the particular test requirements according to the named supplementary part of standard DIN VDE 0636

A direct co-ordination is therefore possible.

额定功率损耗

熔断器的经济性在很大程度上取决于额定功率损耗。损耗功率应尽可能小，固有发热才可能小。但是在判断熔断器固有损耗时必须注意到在额定分断能力与额定功率之间存在的物理关系。一方面，为了追求尽可能小的电阻值，则熔体的尺寸设计愈厚愈有利，而另一方面，为了确保具有高的额定分断能力，熔体又应尽可能薄些，这样有利于电弧的熄灭。

西门子出品的熔断器是两者兼顾，既具有高分断能力，又使额定功率损耗降低到最低程度。此时的损耗功率远低于标准规定的极限值。这就是说，西门子·熔断器发热低，分断能力高，经济性好。

Rated power loss

The economy of a fuse depends considerably on the rated power loss. This should be kept as low as possible by only having a slight self-heating capability. When assessing the self-losses of a fuse it should also be considered, that a physical dependence between the rated breaking capacity and the rated power loss exists. In order to achieve a low resistance value, the fuse element should be as thick as possible, however to ensure a high rated breaking capacity, a thin fuse element that ensures safe arc quenching is required. Siemens fuses when considering their large breaking capacity, have their rated power losses kept as low as possible. These values lie far under the limits indicated in the standards. That means minimal heating, reliable breaking capacity and high economy.

NH 型熔断器隔离开关 3NP35, 3NP4 至 630A, 技术数据				NH-fuse-loadswitch 3NP35, 3NP4 to 630A, Technical data			
IEC 609 47-1, IEC60 947-3, DIN VDE 0660 第 107 部分		3NP35, 3NP40 1	3NP40 70	3NP42 7 ¹⁾	3NP43 7	3NP44 7	
额定隔离电压 U_i	AC V	690					
周围温度	°C	运行时 -25°C 至 +55°C ⁴⁾ , 存放时 10°C 至 +80°C					
使用方式		竖直或水平(水平安装时降低开关能力)					
额定电流 I_n	A	160		250	400	630	
用于符合标准 DIN43 620 的熔断体 (在使用半导体保护的熔断体时, 应降低额定电流目录 NS K 和 DA 94.1)	制造等级	00 ²⁾	00	1 和 0	2 和 1	3	
一般室外热电流 I_{th}	A	160		250	400	630	
额定工作电压 U_e	50/60Hz, AC V DC V	690 220 (三个电流路径)	440 (三个电流路径) 220 (二个电流路径)				
额定短路电流(可迅速打开)							
AC 500V (690V)时	kA (有效值)	50 (50)	50 (30)		50 (50)		
额定直流电流	kA (最大值)	11 (5)	15 (8)		23 (19)		
短路容量(闭合开关时)							
具有熔断体时	额定电流	制造等级	00 ²⁾ / 100	00/160	1/250	2/440	
至 690V		kA (有效值)	100	50		3/630	
额定直流电流		kA (最大值)	15		25	35	
额定通断能力(从上面和下面进线)							
AC400V, 带熔断体或分线板 ³⁾	制造等级	00 ²⁾	00	1	2	3	
额定断开电流 I_c (cosφ=0.35)	A (有效值)	800 (cosφ=0.45)	800	2000	3200	5040	
额定工作电流 I_e AC-21b, AC-22b	A	160		250	400	630	
AC-23b	A	100		250	400	630	
AC500V, 带熔断体或分线板 ³⁾	制造等级	00 ²⁾	00	1	2	3	
额定断开电流 I_c (cosφ=0.35)	A (有效值)	320 (cosφ=0.45)					
额定工作电流 I_e AC-21b, AC-22b	A	160, 100	160	250	400	630	
AC-23b	A	40					
AC690V, 带熔断体或分线板	制造等级	00 ²⁾	00	1	2	3	
额定断开电流 I_c (cosφ=0.35)	A (有效值)	200 (cosφ=0.45)	240	375	600	945	
额定工作电流 I_e AC-21b	A	160		250	400	630	
AC-22b	A	50		250	400	630	
AC-23b	A	25					
DC220V, 带熔断体或分线板	制造等级	00 ²⁾	00	1	2	3	
断开电流 I_c (L/R=15ms)	A	320		-			
额定工作电流 I_e AC-23b	A	80		-			
机械寿命	换向操作	2000	1600		1000		
作业现场的保护等级							
无绝缘材料		IP20					
有绝缘材料	关闭手柄时	IP30					
	打开手柄时	IP20					
I_{th} 时的开关功耗(包括熔断体的功耗)							
无汇流排转接器	W	4.5	10				
有汇流排转接器	W	8.5	20				
主线连接							
电缆接头套管, 最大导线截面(多股导线)	mm ²	-	120	150			
线弧	mm ²	1.5 - 50 ⁵⁾	2.5 - 50	35 - 120			
电流供电母线	mm	-	12 - 20	22 - 30			
起动转矩(用于接线螺钉)							
带电缆接头套管	Nm	-	9 - 11 (M6)	35 - 45 (M10)			
线弧	Nm	3 - 3.5	7 - 9 (M6)	5 - 6 (2 x M6)			
电流供电母线	Nm	-	9 - 11 (M6)	35 - 45 (M10)			

1) 用于符合标准 DIN43 870 的计电柜。
熔断体的最大额定电流：63A(功耗 ≤ 5.7W); 总电流功耗：2.4W。
2) 最大宽度 21mm (根据 IEC60 269-2-1 和 DIN43 620)
3) 使用镀银分线板。

4) 在没有限制地使用分线板时, 使用熔断体时, 应注意熔断器制造商的说明。
5) 1.5mm² 和至 35mm² 带芯线套的细线。

NH 熔断器隔离开关

NH Fuse Disconnecter

NH 型熔断器隔离开关 3NP35 , 3NP4 至 630A , 技术数据			NH-fuse-loadswitch 3NP35, 3NP4 to 630A, Technical data				
IEC 60 947-1, IEC60 947-3, DIN VDE 0660 Part 107			3NP35, 3NP40 1	3NP40 70	3NP42 7 ¹⁾	3NP43 7	3NP44 7
Rated isolation voltage U_i			690				
Permissible ambient temperature			-25°C to +55°C for operating ⁴⁾ , -50°C to +80°C during storage				
Permissible working area			vertical or horizontal (reduced while horizontal mounting with switch possible)				
Rated continuous current I_n			160		250	400	630
for fuse insert according to DIN 43 620			00 ²⁾	00	1 and 0	2 and 1	3
(when using semiconductorprotection-fuse, reduce the rated current according to catalog NS K and DA 94.1)							
conventional thermal current in flowing air I_{th}			160		250	400	630
Rated operating voltage U_e			50/60Hz, AC V	690			
DC V			220 (3 current route)	440 (3 current route) 220 (2 current route)			
relative rated short circuit current with fuse (rapidly action)							
at AC 500V (690V)			50 (50)	50 (30)		50 (50)	
Permissible forward current of fuse			15			23 (19)	
short circuit stability with fuse (closed switch)							
with fuse insert			00 ²⁾ / 100	00/160	1/250	2/400	3/630
Rated current			100	50			
to 690V			11 (5)	15 (8)	25	35	
Permissible forward current of fuse							
Rated turn-on and off possible (Supply from top and bottom)							
at AC 400 V, with fuse insert or junction wire ³⁾			00 ²⁾	00	1	2	3
Size			800 (cosφ=0.45)	800	2000	3200	5040
Rated cut-off current I_c (cosφ=0.35)			160		250	400	630
Rated operating current I_e at AC-21b, AC-22b			100		250	400	630
A							
at AC-23b							
A							
at AC 500 V, with fuse insert or junction wire ³⁾			00 ²⁾	00	1	2	3
Size			320 (cosφ=0.45)				
Rated cut-off current I_c (cosφ=0.35)			160, 100	160	250	400	630
Rated operating current I_e at AC-21b, AC-22b			40				
A							
at AC-23b							
A							
at AC 690 V, with fuse insert or junction wire			00 ²⁾	00	1	2	3
Size			200 (cosφ=0.45)	240	375	600	945
Rated cut-off current I_c (cosφ=0.35)			160		250	400	630
Rated operating current I_e at AC-21b			50		250	400	630
A							
at AC-22b			25				
A							
at AC-23b							
A							
at DC 220 V, with fuse insert or junction wire ³⁾			00 ²⁾	00	1	2	3
Size			320		-		
cut-off current I_c (L/R=15ms)			80		-		
Rated operating current I_e at DC-23b							
A							
Mechanical working life			Operation cycle	2000	1600	1000	
Protection type from operator side							
without insulating material			IP20				
with insulating material			IP30				
at closed handle			IP20				
at opened handle							
Power dissipation of the switch at I_{th}							
including power dissipation of fuse insert							
without bus bar adapters			W	4.5	10		
with bus bar adapters			W	8.5	20		
Main wiring connection							
cabel shoe, max. wire section (multiwire)			mm ²	-	120	150	
Clamp strap			mm ²	1.5 - 50 ⁵⁾			
Busbar			mm	-	12 - 20	22 - 30	
Starting torque (for connection screw)							
with cable shoe			Nm	-	9 - 11 (M6)	35 - 45 (M10)	
Clamp strap			Nm	3 - 3.5	7 - 9 (M6)	5 - 6 (2 x M6)	
Busbar			Nm	-	9 - 11 (M6)	35 - 45 (M10)	

1) put in meter cabinet according to DIN 43 870: higher rated current of fuse:63A (dissipation ≤ 5.7W); dissipation of total current: 2.4W
2) Max.width 21mm(according to IEC 60 269-2-1 and DIN 43 620).
3) silverplate the junction wire.

4) using junction wire (without restriction), using fuse (consider information of the manufacturer)
5) fine wire with wire end sleeve 1.5mm² to 35mm².

NH 型熔断器隔离开关 3NP5 至 630A，技术数据				NH-fuse-loadbreaker 3NP5 to 630A, Technical data							
IEC 60 947-1, IEC60 947-3, DIN VDE 0660 第 107 部分				3NP50		3NP52		3NP53		3NP54	
额定工作电压 U_e		50/60Hz AC V DC V		690 440 (三个电流路径) 220 (三个电流路径和通过 3VU13 监控) 690 ¹⁾							
额定隔离电压 U_i		AC V									
额定电流 I_n 用于符合标准 DIN43 620 的熔断体 (在使用半导体保护的熔断体时， 应降低额定电流目录 NS K 和 DA 94.1)		A 制造等级 / A		160 00	250 1 和 0		400 2 和 1		630 3 和 2		
一般室外热电流 I_{th}		A		160	250		400		630		
额定短路电流(可迅速打开)											
AC 500V 时		kA (有效值)		50							
额定直流电流		kA (最大值)		15	25		40		60		
短路容量(闭合开关时)											
具有熔断体时	额定电流	制造等级 / A		00 / 160	1 / 250		2 / 400		3 / 630		
AC 500V 时		kA (有效值)		100			50				
额定直流电流		kA (最大值)		23	32		40		60		
额定通断能力(从上面和下面进线)											
AC 400V，带熔断体		制造等级		00	1	0	2	1	3	2	
断开电流 I_c (cosφ=0.35)		A (有效值)		1600	2500	1600	4000	2500	5040	4000	
额定工作电流 I_e	AC-21b, AC-22b, AC-23b	A		160	250	160	400	250	630	400	
AC 500V，带熔断体		制造等级		00	1	0	2	1	3	2	
断开电流 I_c (cosφ=0.35)		A (有效值)		1600	2500	1600	4000	2500	5040	4000	
额定工作电流 I_e	AC-21b, AC-22b, AC-23b	A		160	250	160	400	250	630	400	
AC 690V，带熔断体		制造等级		00	1	0	2	1	3	2	
断开电流 I_c (cosφ=0.35)		A (有效值)		800	1280	1000	2520	1600	3200	2520	
额定工作电流 I_e	AC-21b, AC-22b, AC-23b	A		160	250	160	400	250	630	400	
		A		100	160	125	315	200	400	315	
DC 220V，带熔断体		制造等级		00	1	0	2	1	3	2	
断开电流 I_c (L/R=15ms)		A		640	1000	640	1600		2520	1600	
额定工作电流 I_e	AC-23b	A		160	250	160	400	250	630	400	
水平安装的开关能力											
AC 400V，带熔断体		制造等级		00	1	0	2	1	3	2	
断开电流 I_c (cosφ=0.35)		A (有效值)		1300	1500	1500	2000		2520		
额定工作电流 I_e	AC-21b, AC-22b, AC-23b	A		160	250	160	315	250	400		

1) 在遵守污染程度 2(代替 3)的情况下， U_i 可以达到 1000V。

NH 熔断器隔离开关

NH Fuse Disconnecter

NH 型熔断器隔离开关 3NP5 至 630A , 技术数据				NH-fuse-loadbreaker 3NP5 to 630A, Technical data							
IEC 60 947-1, IEC 60 947-3, DIN VDE 0660 Part 107				3NP50		3NP52		3NP53		3NP54	
Rated opetating voltage U_e		50/60Hz AC V	690	440 (3 current route) 220 (2 current route and with 3VU13 for supervision)							
		DC V									
Rated isolation voltage U_i		AC V	690 ¹⁾								
Rated continuous current I_u		A	160	250		400		630			
for fuse according to DIN 43 620		Size	00	1 and 0		2 and 1		3 and 2			
(when using semiconductorprotection-fuse, reduce the rated current according to catalog NS K and DA 94.1)											
conventional thermal current in flowing air I_{th}		A	160	250		400		630			
relative rated short circuit current with fuse (rapidly action)											
at AC 500V		kA (rms)	50								
Permissible forward current of fuse		kA (peak value)	15	25		40		60			
short circuit stability with fuse (closed switch)											
with fuse		Rated current	Size / A	00 / 160		1 / 250		2 / 400		3 / 630	
at AC 500V			kA (rms)	100		50					
Permissible forward current of fuse			kA (peak value)	23		32		40		60	
switch possible with fuse (supply from top and bottom)											
at AC 400 V, with fuse		Size	00	1	0	2	1	3	2		
cut-off current I_c (cosφ=0.35)		A (rms)	1600	2500	1600	4000	2500	5040	4000		
Rated operating current I_e		at AC-21b, AC-22b, AC-23b	A	160	250	160	400	250	630	400	
at AC 500 V, with fuse		Size	00	1	0	2	1	3	2		
cut-off current I_c (cosφ=0.35)		A (rms)	1600	2500	1600	4000	2500	5040	4000		
Rated operating current I_e		at AC-21b, AC-22b, AC-23b	A	160	250	160	400	250	630	400	
at AC 690V, with fuse		Size	00	1	0	2	1	3	2		
cut-off current I_c (cosφ=0.35)		A (rms)	800	1280	1000	2520	1600	3200	2520		
Rated operating current I_e		at AC-21b, AC-22b	A	160	250	160	400	250	630	400	
		at AC-23b	A	100	160	125	315	200	400	315	
at DC 220V, with fuse		Size	00	1	0	2	1	3	2		
cut-off current I_c (L/R=15ms)		A	640	1000	640	1600		2520	1600		
Rated operating current I_e		at AC-23b	A	160	250	160	400	250	630	400	
switch possible at horizontal installation											
at AC 400V, with fuse		Size	00	1	0	2	1	3	2		
cut-off current I_c (cosφ=0.35)		A (rms)	1300	1500	1500	2000		2520			
Rated operating current I_e		at AC-21b, AC-22b, AC-23b	A	160	250	160	400	250	400		

1) Comply with pollution level 2 (instead of 3) the insert can be possible to $U_i=1000V$.

具有金属导向端板的 NH- 熔断器

LV HRC fuse links with non-insulated metal grip lugs

特点

用于 SITOR 型和 NH 型熔断体

- 符合标准 DIN 包装 0636、IEC60269、DIN 43 620。
- 额定电压: AC 690V / DC 440V 对于半导体保护熔断体为 AC 1000V
- 额定电流: 160A、400A、630A、1250A

NH 型熔断器底座

NH 型熔断体

NH 型 ISO 盖

NH 型相位防护隔板

NH 型闸刀

NH 型底盖

NH 型插入手柄

绝缘盖 IP2XGr.00

绝缘防尘盖

Dimensions

For SITOR-and NH-fuse-insert-part

- In accordance with DIN VDE 0636, IEC 60 269, DIN 43 620
- Rated voltage: AC 690 V/DC 440V or for semiconductor-protecting-insert-part AC 1000V
- Rated current: 160A, 400A, 630A, 1250A

NH-fuse-base

NH-fuse-insert

NH-Iso-cover

NH-Phase-and terminal-partition-wall

NH-cutting knife

NH-base cover

NH-plug-in handle

Iso-cover IP2X Gr.00

Iso-cover IP2X



选型和订货数据

Selection and ordering data

  	符合 GB 13539 和 IEC 269 标准等 , 以及 CCEE 安全认证 额定电压: AC 500V/ DC 440V 例外: 制造等级 00 为 DC 250V 工作等级 gL/gG 用于电缆和导线保护 良好的选择性 额定分断能力: AC 120kA (制造等级 00: AC 50kA)		According to GB 13539 and IEC 269, CCEE safety certificate Rated voltage: AC 500 V/DC 440V Exception: Size 00 with DC 250V Operating class gL/gG for cable and conductor protection Finely graduated selectivity Rated breaking capacity: AC 120kA (Size 00: AC 50kA)			
	制造等级 Size	I_n A	宽度 Width mm	订货号 Order No.	包装 Packing 件 / Unit	重量 Weight 1 件 / 1 Unit kg
	00 (00C)	2 4 6 10 16 20 25 32 35 40 50 63 80 100 125 160	21 21 21 21 30 30	3NA3 802-2C 3NA3 804-2C 3NA3 801-2C 3NA3 803-2C 3NA3 805-2C 3NA3 807-2C 3NA3 810-2C 3NA3 812-2C 3NA3 814-2C 3NA3 817-2C 3NA3 820-2C 3NA3 822-2C 3NA3 824-2C 3NA3 830-2C 3NA3 832-2C 3NA3 836-2C	9 3	0.130 0.220
	0	6 10 16 20 25 32 35 40 50 63 80 100 125 160	30 30 30 30	3NA3 001-2C 3NA3 003-2C 3NA3 005-2C 3NA3 007-2C 3NA3 010-2C 3NA3 012-2C 3NA3 014-2C 3NA3 017-2C 3NA3 020-2C 3NA3 022-2C 3NA3 024-2C 3NA3 030-2C 3NA3 032-2C 3NA3 036-2C	3	0.340

► 熔断器上所标明的标准可能因为型号的不同而有所区别。 / Printing of standard may differ according to type.






► 尺寸图见第 10/1 至 10/3 页。 / For dimension drawings, see pages 10/1 to 10/3.

1) 适合于 6~160A。

Suit for 6~160A.

NH- 熔断器

NH Fuses

具有金属导向端板的 NH- 熔断器 (续)		LV HRC fuse links with non-insulated metal grip lugs (Continuation)				
    	制造等级 Size	I_n A	宽度 Width mm	订货号 Order No.	包装 Packing 件 / Unit	重量 Weight 1 件 / 1 Unit kg
	1	16 20 25 35 40 50 63 80 100 125 160 200 224 250	30 30 30 47.5	3NA3 105-2C 3NA3 107-2C 3NA3 110-2C 3NA3 114-2C 3NA3 117-2C 3NA3 120-2C 3NA3 122-2C 3NA3 124-2C 3NA3 130-2C 3NA3 132-2C 3NA3 136-2C 3NA3 140-2C 3NA3 142-2C 3NA3 144-2C	3 3 3	0.290 0.300 0.440
	2	50 63 80 100 125 160 200 224 250 300 315 355 400	 47.5 47.5 57.8	3NA3 220-2C 3NA3 222-2C 3NA3 224-2C 3NA3 230-2C 3NA3 232-2C 3NA3 236-2C 3NA3 240-2C 3NA3 242-2C 3NA3 244-2C 3NA3 250-2C 3NA3 252-2C 3NA3 254-2C 3NA3 260-2C	3 3 3	0.450 0.650
	3	200 224 250 300 315 355 400 425 500 630	57.8 57.8 71.2	3NA3 340-2C 3NA3 342-2C 3NA3 344-2C 3NA3 350-2C 3NA3 352-2C 3NA3 354-2C 3NA3 360-2C 3NA3 362-2C 3NA3 365-2C 3NA3 372-2C	3 3	0.65 1.000
	4	630 800 1000 1250	101.8	3NA3 472-2C 3NA3 475-2C 3NA3 480-2C 3NA3 482-2C	1	2.500
	4a	500 630 800 1000 1250	101.8 101.8	3NA3 665 3NA3 672 3NA3 675 3NA3 680 3NA3 682	1 1	2.700 2.840

► 熔断器上所标明的标准可能因为型号的不同而有所区别。 / Printing of standard may differ according to type.

► 尺寸图见第 10/1 至 10/3 页。 / For dimension drawings, see pages 10/1 to 10/3.

¹⁾ 适用于 6~160A。
Suit for 6~160A.

具有金属导向端板的 NH- 熔断器 (续)		LV HRC fuse links with non-insulated metal grip lugs (Continuation)				
	符合 DIN VDE 0636 和 IEC 269 标准 额定电压: AC 690V/DC 440V 例外: 制造等级 00 为 DC 250V 工作等级 gL/gG 用于电缆和导线保护 良好的选择性 额定分断能力: AC 120kA (制造等级 00: AC 50kA)		According to DIN VDE 0636 and IEC 269 Rated voltage: AC 690V/DC 440V Exception: Size 00 with DC 250V Operating class gL/gG for cable and conductor protection Finley graduated selectivity Rated breaking capacity: AC 120kA(Size 00: AC 50kA)			
	制造等级 Size	I_n A	宽度 Width mm	订货号 Order No.	包装 Packing 件 / Unit	重量 Weight 1 件 / 1 Unit kg
	00	2	21	3NA3 802-6	3	0.140
		4		3NA3 804-6		
		6		3NA3 801-6		
		10		3NA3 803-6		
		16		3NA3 805-6		
		20		3NA3 807-6		
		25	30	3NA3 810-6	3	0.200
		32		3NA3 812-6		
35		3NA3 814-6				
40		3NA3 817-6				
50	3NA3 820-6					
63	3NA3 822-6					
80	3NA3 824-6					
100	3NA3 830-6					
	1	50	30	3NA3 120-6	3	0.290
		63		3NA3 122-6		
		80		3NA3 124-6		
		100		3NA3 130-6		
		125		3NA3 132-6		
		160	3NA3 136-6			
	200	47.2	3NA3 140-6	0.430		
	2	80	47.2	3NA3 224-6	3	
		100		3NA3 230-6		
		125		3NA3 232-6		
160		3NA3 236-6				
200		47.2	3NA3 240-6			
224			3NA3 242-6			
250			3NA3 244-6			
300 ¹⁾		57	3NA3 250-6			
315			3NA3 252-6			
3		250	71.2	3NA3 344-6		
	315	3NA3 352-6				
	355 ¹⁾	3NA3 354-6				
	400	3		3NA3 360-6	1.000	
	425			3NA3 362-6		
	500			3NA3 365-6		

- 其它结构型式 (例如镀锡的触刀) 请垂询。/For further designs (e.g. tin-plated contact blades) please enquire.
► 尺寸图见第 10/3 至 10/4 页。/For dimension drawings, see pages 10/3 to 10/4.

¹⁾ 这种设计是按照 DIN VDE 0636 和 IEC 60269 标准制造的, 完全满足有关导线和电缆保护的工作等级 gL/gG。此外, 这种熔断器既没有 VDE 标记也没有得到“VDE 0636/21”的认证, 因为这是不允许的。

This design is manufactured in accordance to DIN VDE 0636 and IEC 60269 and fulfills operating class gL/gG for cable and conductor protection. However, this fuse link neither has the VDE mark of conformity nor is labeled “VDE 0636/21”, as this is not permissible.

NH- 熔断器


NH Fuses

具有金属导向端板的 NH- 熔断器				LV HRC fuse links with non-insulated metal grip lugs		
  	符合 DIN VDE 0636 和 IEC 269 标准 额定电压: AC 690V 例外: 制造等级 00 为 AC 500V 工作等级 aM 用于电动机保护 在短路范围内保护开关电器 额定分断能力: AC 120kA			According to DIN VDE 0636 and IEC 269 Rated voltage: AC 690V Exception: Size 00 with AC 500V Operating class aM for motor protection for switchgear protection at short-circuit area Rated breaking capacity: AC 120kA		
	制造等级 Size	I_n A	宽度 Width mm	订货号 Order No.	包装 Packing 件 / Unit	重量 Weight 1 件 / 1 Unit kg
	00	6	21	3ND1 801	3	0.130
		10				
		16				
		20				
		25	21	3ND1 810	3	0.130
32						
35						
40						
50		21	3ND1 820	3	0.130	
63						
80						
100						
125 ¹⁾		30	3ND1 830	3	0.190	
160 ¹⁾			3ND1 832			
		3ND1 836				
1	63	46	3ND1 122	3	0.460	
	80					
	100					
	125					
	160					
	200	46	3ND1 140	3	0.410	
	250		3ND1 144			
2	125	57	3ND1 232	3	0.700	
	160					
	200					
	250					
	315	57	3ND1 252	3	0.650 0.700 0.650	
	355 ¹⁾		3ND1 254			
	400		3ND1 260			
3	315	71.2	3ND1 352	3	1.030	
	355					
	400					
	500					
	630					
			3ND1 354			
			3ND1 360			
			3ND1 365			
			3ND1 372			

► 尺寸图见第 10/5 页。 / For dimension drawings, see page 10/5.

¹⁾ 这种设计是按照 DIN VDE 0636, 第 22 部分和 IEC 269 标准制造的, 完全满足操作等级 aM。此外, 这种熔断器没有 “VDE 0636/22” 标记, 因为这是不允许的。

This design is manufactured in accordance with DIN VDE 0636 Part 22, and IEC 269 and fulfills operating class aM. However, this fuse link is not labelled “VDE 0636/22”, as this is not permissible.


NH- 熔断器底座		NH-Fuse bases			
	用于 Iso-NH- 和 NH- 熔断体 / for Iso-NH- and NH- fuse links 符合 DIN VDE 0635、IEC 269、DIN 43 620 标准 用于触头的绝缘罩壳是作为附件提供 额定电压: AC 1000V/DC 440V		According to DIN VDE 0635, IEC 269, DIN 43 620 Push-on moulded-plastic cover for live contacts available as accessories Rated voltage: AC 1000V/DC 440V		
		导线截面至 Conductor cross-section up to mm ²	订货号 Order No.	包装 Packing 件 / Unit	重量 Weight 1 件 / 1 Unit kg
	制造等级 00 / Size 00 额定电流 160A / Rated current 160A				
	1 极 / single-pole 采用扁线连接 / with screw-type terminal connection 95 采用夹持圈连接 / with saddle-terminal connection 6 - 70		3NH3 030-2C 3NH3 032-2C	3 3	0.235 0.266
	制造等级 00 / Size 00 额定电流 160A / Rated current 160A				
	3 极 / triple-pole 包括相间隔离板 / incl. phase barriers 采用扁线连接 / with screw-type terminal connection 95 采用夹持圈连接 / with saddle-terminal connection 6 - 70		3NH4 030-2C 3NH4 032-2C	1 1	0.700 0.800
	制造等级 0 / Size 0 额定电流 160A / Rated current 160A				
	1 极 / single-pole 采用扁线连接 / with screw-type terminal connection 95		3NH3 120	3	0.420

► 尺寸图见第 10/6 和 10/7 页。 / For dimension drawings, see page 10/6 and 10/7.

¹⁾ 在使用 M 8- 螺纹的螺丝时，可用于 M 8 x 16 电缆终端；10mm 汇流排是用 M 8 x 25；15mm 汇流排是用 M 8 x 30。
With M 8 thread for screws when using: Cable lugs M 8 x 16; 10 mm busbars M 8 x 25; 15 mm busbars M 8 x 30.

NH- 熔断器

NH Fuses

NH- 熔断器底座 (续)			NH-Fuse bases (Continuation)		
		导线截面至 Conductor cross-section up to mm ²	订货号 Order No.	包装 Packing 件 / Unit	重量 Weight 1 件 / 1 Unit kg
	制造等级 1 / Size 1 额定电流 250A / Rated current 250A				
	1 极 / single-pole 采用扁线连接 / with screw-type terminal connection 150		3NH3 230-2C	3	0.789
	3 极 / triple-pole 采用扁线连接 / with screw-type terminal connection 150		3NH4 230-2C	1	2.100
	制造等级 2 / Size 2 额定电流 400A / Rated current 400A				
	1 极 / single-pole 用于双母线连接 ¹⁾ / for double busbar terminal connection ¹⁾ 300		3NH3 320-2C	1	0.843 1.000
	制造等级 3 / Size 3 额定电流 630A / Rated current 630A				
	1 极 / single-pole 用于双母线连接 ¹⁾ / for double busbar terminal connection ¹⁾ 2 × 40 × 5		3NH3 420-2C	1	1.100
	制造等级 4 (IEC) / Size 4 (IEC) 额定电流 1000 A / Rated current 1000 A				
	1 极 / single-pole 采用扁线连接 / with screw-type terminal connection 2 × 50 × 8		3NH3 530	1	3.018
	制造等级 4a / Size 4a 额定电流 1250A / Rated current 1250A				
	1 极 / single-pole 采用扁线连接 / with screw-type terminal connection 2 × 80 × 5		3NH7 520	1	5.200

► 尺寸图见第 10/6 和 10/7 页。 / For dimension drawings, see page 10/6 and 10/7.

¹⁾ 导线可连接在连接片的上部或下部。

The conductors are connectable at the top or bottom of the terminal lug.

NH- 熔断器底座的附件		Accessories for LV HRC fuse bases		
	制造等级 Size	订货号 Order No.	包装 Packing	重量 Weight
			件 / Unit	1 件 / 1 Unit kg
    	插拔手柄 / Fuse puller			
	用于 NH- 熔断体 / for LV HRC fuse links			
	不带皮套 without sleeve	00 至 4 00 up to 4	3NX1 011-2C	1 0.310
	带人造革的皮套 with imitation leather sleeve	00 至 4 00 up to 4	3NX1 012	0.500
	压接式塑料保护罩 / Push-on moulded-plastic cover			
	作为触刀绝缘保护 as protection for live contacts			
	00	3NX3 105	20	0.013
	0	3NX3 114	10	
	1	3NX3 106	20	0.027
	2	3NX3 107	20	0.031
	3	3NX3 108		0.038
	NH 熔断器隔相板 / LV HRC phase barriers			
	适用于 NH 熔断器底座并排安装时的相隔离 for LV HRC fuse bases for in-line mounting and as barrier for in-line mounting			
	适用类型 / Type			
	3NH3 0/3NH4 0	00	3NH2 023	20 0.025
	3NH3 1	0	3NH2 030	10 0.040
	3NH3 2/3NH4 2	1	3NH2 024	20 0.053
	3NH3 3	2	3NH2 025	10 0.066
	3NH3 4	3	3NH2 026	0.101
	绝缘盖 IP2X / IP2X molded plastic cover size 00			
	适用于 NH 熔断器 1 级和 3 级 for LV HRC fuse bases size 00			
	1- and 3-pole	00	3NX3 115	10 0.039
	绝缘防尘盖 IP2X / IP2X molded plastic cover			
	防护等级 IP2X for IP2X molded plastic cover size 00			
	00	3NX3 116	10	0.014

NH- 熔断器
NH Fuses

熔断器监视装置

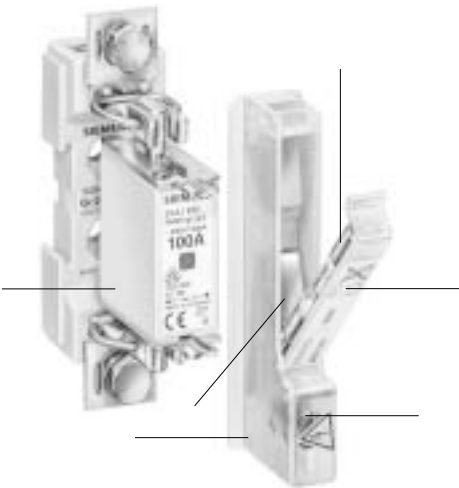
Fuse monitoring


应用
适用于从制造等级 00C 至 4a 的 NH 熔断器的熔断器监视装置，只能安装在金属导向板型的熔断器上。它包括带弹簧触头的信号探测器底座，一个微动开关和一个信号探测器。当故障发生时，和 NH 熔断器并联的信号探测器同时释放。当装置动作时，信号探测器的脱扣栓自由落下，直接使微动开关 250V/5A AC 动作。这样，信号就能被探测和传输。单独的信号探测器不能用作熔断器，因此它必须总是和 NH 熔断器并联。当需要更换信号探测器时，信号探测器底座必须从 NH 熔断器上卸下。

- NH 熔断器
- 信号探测底座
- 微动开关
- 弹簧触头
- 绝缘盖
- 信号探测器

Application
The fuse monitoring device for LV HRC fuse links size 000 to size 4a can only be mounted onto LV HRC fuse links with non-insulated grip lugs. It consists of a signal detector base with spring contacts, a microswitch and a signal detector link. If a fault occurs, the signal detector link is released simultaneously with the LV HRC fuse link connected in parallel. If the device is disconnected, a tripping pin of the signal detector becomes free which directly operated the microswitch 250V/ 5A AC. This way, signals can be detected and transmitted. Signal detector links alone do not serve as fuses and must therefore always be used in parallel connection with a LV HRC fuse link. To replace the signal detector link the signal detector base must be removed from the LV HRC fuse link.

- LV HRC fuse link
- Signal detector base
- Microswitch
- Spring contacts
- Flap
- Signal detector link



选型和订货数据			Selection and ordering data	
	<p>从断开的 NH 熔断器发出可靠的信号 信号探测器便于更换 通过弹簧触头的可靠的接触压力 额定电压 690V AC 便于安装。信号探测器底座只需插在 NH 熔断器的导向板上</p>		<p>Reliable signal from disconnecting LV HRC fuse links Easy replacement of signal detector links Reliable contact pressure via spring contacts Rated voltage 690V AC Easy installation. The signal detector base is just plugged onto the grip lugs of the LV HRC fuse links</p>	
	描述 Description	订货号 Order No.	包装 Packing 件 / Unit	重量 Weight 1 件 / 1 Unit kg
	<p>适用于金属导向板型 NH 熔断器的信号探测器底座 Signal detector base for LV HRC fuse links with non-insulated grip lugs 制造等级 00C 至 4a size 00C - size 4a 额定电压至 690V AC rated voltage up to 690V AC</p>	3NX1 021	4	0.029
<p>与信号探测器底座配套的 信号探测器 Signal detector link for signal detector base 690V AC 最小释放值 minimum release value 9V, 2.5A >2V, 7A</p>		3NX1 022 3NX1 023	12 12	0.013

NH 型熔断器隔离开关，单极

NH fuse disconnecter 3NH, 1-pole

特点

用于带压紧或不压紧接线板的 NH 型熔断体

- 符合标准 IEC 947-1 和 IEC 947 - 3。
- 额定电压：AC 690V / DC 440V
- 额定电流：160A、250A、400A / 630A、1250A
- 额定绝缘电压：尺寸 00 至 3 AC 750V，尺寸 4a AC 1000V
- 额定短路电流：AC 50kA，DC 25kA
- 运行状态时防护等级：IP 20，打开转动装置时防护等级：IP 10
- 垂直 / 水平安装
- 功耗：

尺寸 00，160A	4W
尺寸 1，250A	5W
尺寸 3，630A	20W
尺寸 4a，1250A	32W
- 带有搭接保护
- 载荷可分散

NH 型熔断器底座

绝缘材料盖

NH 型熔断器转动装置

Features

- For LV HRC fuse links with non-insulated or insulated grip lugs
- According to EN 60 947-1 and EN 60 947-3
 - Rated voltage: 690V AC/ 440V DC
 - Rated currents: 160A, 250A, 400A/630A, 1250A
 - Rated insulation voltage: size 00 to 3 AC 750V AC, size 4a 1000V AC
 - Rated short-circuit current: 50kA AC eff, 25kA DC eff
 - Degree of protection IP 20 in operational status, IP 10 with open slewing equipment
 - Vertical/horizontal mounting position

- Degree of pollution 3
- Power loss without dummy fuse link:

Size 00, 160A	4W
Size 1, 250A	5W
Size 3, 630A	20W
Size 4a, 1250A	32W
- Overreaching protection
- Disconnectable under load

LV HRC fuse base
molded plastic cover
LV HRC fuse slewing equipment



3

选型和订货数据

Selection and order data

		导线截面 mm ² section of wire mm ²	订货号 order-No.	重量 (kg / 件) weight / unit kg	包装 件 VPE unit
制造等级 00，额定电流 160A / Size 00, rated current 160A					
	单极 / 1-pole 带扁平端子 M8 / with screw-type terminal connection M8 电缆接头套管 / cabel lug 扁平电缆最宽 25mm / 25mm max. width flat bar	95 1 x 10 ~ 95 20mm x 10mm	3NH7 030	1.000	1
制造等级 1，额定电流 250A / Size 1, rated current 250A					
	单极 / 1-pole 带扁平端子 M10 / with screw-type terminal connection M10 电缆接头套管 DIN46235 / cabel lug DIN 46 235 扁平电缆 / flat rail	150 1 x 25 ~ 150 30mm x 10mm	3NH7 230	2.500	1
制造等级 3，额定电流 630A / Size 3, rated current 630A					
	单极 / 1-pole 也适用于 NH 型熔断体 also suitable for LV HRC fuse links size 2, 400A 带扁平端子 M10 / with screw-type terminal connection M10 电缆接头套管 / cabel lug 扁平电缆 / flat rail	300 1 x 25 ~ 300 40mm x 10mm	3NH7 330	4.800	1
制造等级 4a，额定电流 1250A / Size 4a, rated current 1250A					
	单极 / 1-pole 带扁平端子 M16 / with screw-type terminal connection M16 电缆接头套管 / cabel lug 扁平电缆 / flat rail	300 1 x 120 ~ 300 1 x 90 ~ 185 2mm x 80mm x 5mm	3NH7 520	5.200	1

请垂询有关附件，尺寸图见 10/8 页。

NH 熔断器隔离开关
NH Fuse

NH 型熔断器隔离开关 3NP4

NH-protection-loadbreaker 3NP4

特点
用于金属导向板和绝缘导向板的 NH 熔断器。
带挂钩的 NH 熔断器底座可直接安装在母线槽上。

- 符合标准 IEC 947-1 和 IEC 947 - 3。
- 额定电压：AC 690V / DC 440V
- 额定电流：160A、250A、400A / 630A、1250A
- 额定绝缘电压：尺寸 00 至 3 AC 750V，尺寸 4a AC 1000V
- 额定短路电流：AC 50kA，DC 25kA
- 运行状态时防护等级：IP 20，打开转动装置时防护等级：IP 10
- 垂直 / 水平安装
- 功耗：
 - 尺寸 00，160A 4W
 - 尺寸 1，250A 5W
 - 尺寸 3，630A 20W
 - 尺寸 4a，1250A 32W
- 带有搭接保护
- 载荷可分散

NH 熔断器母线槽安装底座
绝缘材料盖
NH 熔断器转动装置
无孔母线槽
有孔母线槽


Features
For LV HRC fuse links with non-insulated or insulated grip lugs. LV HRC fuse base with claw fixing for mounting on busbars

- According to EN 60 947-1 and EN 60-947-3
- Rated voltage: 690V AC/440V DC
- Rated currents: 160A, 250A, 400A/630A, 1250A
- Rated insulation voltage: size 00 to 3: 750V AC, size 4a: 1000V AC
- Rated short-circuit current: 50kA AC eff, 25kA DC eff
- Degree of protection IP 20 in operational status, IP 10 with open slewing equipment
- Vertical/horizontal mounting position
- Degree of pollution 3
- Power loss without dummy fuse link
 - size 00, 160A 4W
 - size 1, 250A 5W
 - size 3, 630A 20W
 - size 4a, 1250A 32W

- Overreaching protection
- Can be disconnected under load

LV HRC bus-mounting fuse base
Molded plastic cover

LV HRC fuse slewing equipment
Non-perforated busbar
Perforated busbar



选型和订货数据		Selection and order data			
		导线截面 mm ² section of wire mm ²	订货号 order-No.	重量 (kg / 件) weight / unit kg	包装 件 VPE unit
制造等级 00，额定电流 160A / Size 00, rated current 160A					
	单极 / 1-pole 适用于无孔母线槽的挂钩固定型 with claw fixing for non-perforated busbar	95	3NH7 031	1.000	3
	适用于有孔母线槽的螺丝固定型 with screw fixing for perforated busbar 采用扁线连接 M8 with screw-type terminal connection M8 电缆接头套管 / Cable lug 扁平电缆最宽 25mm 25mm max. width flat bar		3NH7 032		
制造等级 1，额定电流 250A / Size 1, rated current 250A					
	单极 / 1-pole 适用于无孔母线槽的挂钩固定型 with claw fixing for non-perforated busbar	150	3NH7 231	2.500	1
	适用于有孔母线槽的螺丝固定型 with screw fixing for perforated busbar 采用扁线连接 M10 with screw-type connection M10 电缆接头套管 / Cable lug 扁平电缆最宽 DIN 46 235 / DIN 46 235 flat bar		3NH7 232		
制造等级 3，额定电流 630A / Size 3, rated current 630A					
	单极 / 1-pole 适用于无孔母线槽的挂钩固定型 with claw fixing for non-perforated busbar	300	3NH7 331	4.800	1
	适用于有孔母线槽的螺丝固定型 with screw fixing for perforated busbar 也适用于 NH 型熔断体 / also suitable fot LV HRC fuse links size 2, 400A 采用扁线连接 M10 with screw-type connection M10 电缆接头套管 / Cable lug 扁平电缆最宽 / flat bar		3NH7 332		

特点

- 符合标准 DIN 0660 第 107 部分，标准 IEC 60 947 和标准 EN 60 947-3
- 额定工作电压：AC 690V
- 3NP 40 10：用于制造等级 00，NH 型熔断体，结构宽度 21mm，符合标准 DIN 43 620
- 耐气候性

选型和订货数据				Assortment and order data			
	I_u A	用于 NH 型 熔断体的 制造等级	导线截面 mm ²		订货号	重量 (kg/ 件)	包装 件
用于安装在配电盘、STAB/SIKUS 配电柜、SIPRO 计数柜和 8HP 配电箱							
	100 ¹⁾	00	1.5 到 35 (SIGUT 端子)		3NP40 10-0CH01	0.581	1
	160 ¹⁾	00	2.5 到 2 x 70 (M8) (扁平端子)		3NP40 70-0CA01	1.2	1
	160 ¹⁾	00	2.5 到 50 (M8) (SIGUT 端子)		3NP40 70-0CH01	0.8	1
	250	0 和 1	到 150 (M8) (扁平端子)		3NP42 70-0CA01	2.3	1
	400	1 和 2	到 240 (M10) (扁平端子)		3NP43 70-0CA01	3.4	1
	630	2 和 3	到 2X240 (M12) (扁平端子)		3NP44 70-0CA01	4.6	1
	I_u A	用于 NH 型 熔断体的 制造等级	导线截面 mm ²	连接点 / 转接器	订货号	重量 kg/ 件	包装 件
用于转接 40mm 汇流排系统工程							
汇流排尺寸：12mmX5mm 和 12mmX10mm							
转接器：扁平形用于 STAB/SIKUS 配电箱，低凹形用于 STAB/SIKUS 配电箱和 SIPRO 计数柜。							
	100	00 (SIGUT 端子)	1.5 到 35	上部 / 扁平 下部 / 扁平	3NP40 15-1CK01 3NP40 15-1CJ01	0.935 0.934	1
	100	00 (SIGUT 端子)	1.5 到 35	上部 / 低凹 下部 / 低凹	3NP40 15-1CK01 3NP40 15-1CJ01	0.997 0.950	1
	160	00 (扁平端子)	2.5 到 2 x 70	上部 / 低凹 下部 / 低凹	3NP40 75-1CE01 3NP40 75-1CF01	1.150	1
	160	00 (SIGUT 端子)	2.5 到 70	上部 下部	3NP40 75-1CK01 3NP40 75-1CJ01	1.150	1
	160	00 (扁平端子)	2.5 到 2 x 70	上部 / 扁平 下部 / 扁平	3NP40 75-1CE01 3NP40 75-1CF01	1.100	1
	160	00 (SIGUT 端子)	2.5 到 70	上部 下部	3NP40 75-1CK01 3NP40 75-1CJ01	1.100	1
	250	0 和 1 (扁平端子)	到 150	上部或 下部 / 扁平	3NP40 75-1CG01	4.000	1

对于所有扁平连接隔离开关，为了根据标准 VBG4 防护安全，使用相应的电缆接头套管罩(3NY7 101 至 3NY7 141)。
当安装在只有 5mm 厚的汇流排上时，对于 3NP42 和 3NP43，要求汇流排厚度补偿。对于 3NP44，只能安装在 10mm 厚的汇流排上。
详细的设备说明见目录 NS K。
尺寸图见 10/9 至 10/12 页。

1) 带集成卡和封环的 HS

NH 熔断器隔离开关



NH Fuse

NH 型熔断器隔离开关 3NP4

NH-protection-loadbreaker 3NP4

Features

- according to DIN VDE 0660 part 107, IEC 947-1 and IEC 947-3
- Rated operating voltage: AC 690V
- 3NP40 10: for fusesinsert type 00 with 21mm width according to DIN 43 620
- immune to the effects of climate

选型和订货数据					Seleetion and order data		
	I_u A	For NH- insert type	Winre section mm ²		Order-No.	Weight kg	VPE Unit
for install in switchboard, STAB/SIKUS-switchboard and 8HP-case							
	100 ¹⁾	00	1.5 to 35 (SIGUT-Terminal)		3NP40 10-0CH01	0.581	1
	160 ¹⁾	00	2.5 to 2 x 70 (M8) (Flatconnection)		3NP40 70-0CA01	1.2	1
	160 ¹⁾	00	2.5 to 50 (M8) (SIGUT-Terminal)		3NP40 70-0CH01	0.8	1
	250	0 and 1	to 150 (M8) (Flatconnection)		3NP42 70-0CA01	2.3	1
	400	1 and 2	to 240 (M10) (Flatconnection)		3NP43 70-0CA01	3.4	1
	630	2 and 3	to 2X240 (M12) (Flatconnection)		3NP44 70-0CA01	4.6	1
	I_u A	For NH- insert type	Winre section mm ²	Connection Sort/ Adapter	Order-N0.	Weight kg	VPE Unit
for adaption 40-mm-busbar							
Bubar: 12mm x 5mm and 12mm x 10mm With Adapter: flat for STAB/SIKUS-Switch for STAB/SIKUS-Switch and for SIPRO-Counter cabinet							
	100	00	1.5 to 35 (SIGUT-Terminal)	top/flat bottom/flat	3NP40 15-1CK01 3NP40 15-1CJ01	0.935 0.934	1
	100	00	1.5 to 35 (SIGUT-Terminal)	top/tief bottom/tief	3NP40 15-1CK01 3NP40 15-1CJ01	0.997 0.950	1
	160	00	2.5 to 2 x 70 (Flatconnection)	top/tief bottom/tief	3NP40 75-1CE01 3NP40 75-1CF01	1.150	1
	160	00	2.5 to 70 (Flatconnection)	top bottom	3NP40 75-1CK01 3NP40 75-1CJ01	1.150	1
	160	00	2.5 to 2 x 70 (Flatconnection)	top/flat bottom/flat	3NP40 75-1CE01 3NP40 75-1CF01	1.100	1
	160	00	2.5 to 70 (SIGUT-Terminal)	top bottom	3NP40 75-1CK01 3NP40 75-1CJ01	1.100	1
	250	0 and 1	to 150 (Flatconnection)	top oder bottom/flat	3NP40 75-1CG01	4.000	1

For all breakers of protection burden circuit with flat connection are using secure covering according to VBG 4 with the corresponding cable shoe coverings (3NY7 101 to 3NY7 141).

Mounting on only 5 mm thick Cu-busbar is requested thick equilibrium of busbar for 3NP42 and 3NP43.

3NP44 only for 10mm thick busbar mounting Further equipment versions see catalog NS KELVIN

Dimensions drawing see page 10/9 to 10/12.

1) HS with integrated busbar snap fastener and seal loop.

NH 型熔断器快速打开隔离开关 3NP3, 3NP5 NH-protection-loadbreaker 3NP3, 3NP5 with rapid activation

- 特点
- 符合标准 DIN VDE 0660 第 107 部分, 标准 IEC 947-1 和标准 IEC 947-3
 - 额定工作电压 : AC 690V
 - 全封闭
 - 耐气候性
 - 3NP35 : 无快速打开功能 ; 用于 21mm 宽的熔断体

选型和订货数据					Selection and order data	
	I_n A	用于 NH 型 熔断体的 制造等级	导线截面 mm ²	订货号	重量 (kg/ 件)	包装 件
用于安装在配电盘、STAB/SIKUS 配电柜、8HP 配电箱						
	160	00	1.5 到 35 (SIGUT 端子)	3NP35 30-0CH00	0.500	1
	160	00	2.5 到 120 (扁平端子)	3NP50 60-OCA00 3NP50 60-OCA10	1.500	1
	160	00	2.5 到 50 (线夹)	3NP50 60-OCB00 3NP50 60-OCB10	1.707 1.780	1
	250	0 和 1	6 到 150 (扁平端子)	3NP52 60-OCA00 3NP52 60-OCA10	5.670 5.613	1
	250	0 和 1	35 到 120 (线夹)	3NP52 60-OCB00 3NP52 60-OCB10	5.643 5.814	1
	400	1 和 2	6 到 240 (扁平端子)	3NP53 60-OCA00 3NP53 60-OCA10	6.850 6.836	1
	630	1 和 2	6 到 2 x 240 (扁平端子)	3NP54 60-OCA00 3NP54 60-OCA10	7.934 8.100	1

附件					Accessories	
	用于熔断体器 隔离开关	导线截面 mm ²	说明	订货号	重量 (kg/ 件)	包装 件
	快速固定板 根据标准 DIN EN 50 022 两个汇流排间的距离: 125mm 3NP35 30, 3NP40 70 3NP42 70, 3NP50 60		3NY7 322 3NY1 995	0.120	1	
	3NP35, 3NP40-44辅助开关			3NY3 035	0.010	1
	三路端子 3NP40 1 和 3NP40 7 3NP40 1	2.5 到 16	用于添加机架端子 用于添加扁平端子	3NY7 102 3NY7 105	0.120 0.200	3
	输入端子 3NP35 和 3NP40 1	25 到 95		3NY1 236	0.180	3
	连接端子 3NP42 3NP43 3NP44	70 到 150 120 到 240 150 到 300		3NY7 120 3NY7 130 3NY7 140	0.200 0.300 0.400	3
	三相汇流排 90mm=5TE 3NP35 和 3NP40 1	用于两个隔离开关 用于三个隔离开关 连接汇流排		3NY1 237 3NY1 238 3NY1 263	0.210 0.350 0.210	1
	手柄 灰色, 标签	用于 3NP40 1 用于 3NP40 7		3NY7 003 3NY7 001	0.150 0.193	1

详细的设备说明、盖和绝缘材料罩见目录 NS K。尺寸图见 10/9 至 10/12 页。

NH 熔断器隔离开关


NH Fuse


NH 型熔断器快速打开隔离开关 3NP3 , 3NP5

NH-protection-loadbreaker 3NP3, 3NP5 with rapid activation

Features

- according to DIN VDE 0660 Part 107, IEC 947-1, IEC 947-3
- Rated operating voltage: AC 690 V
- full closed
- immune to the effects of climate
- 3NP35: without rapid switch on; for fuseinsert with 21mm width

选型和订货数据				Selection and order data		
	I_u A	for NH- insert type	wire-section mm ²	Order-Nr	Weight kg	VPE Unit
for install in switchboard, STAB/SIKUS-switchboard and 8HP-case						
	160	00	1.5 to 35 (SIGUT-terminal)	3NP35 30-0CH00	0.500	1
	160	00	2.5 to 120 (Flat connection)	3NP50 60-0CA00 3NP50 60-0CA10	1.500	1
	160	00	2.5 to 50 (Terminal clamp)	3NP50 60-0CB00 3NP50 60-0CB10	1.707 1.780	1
	250	0 and 1	6 to 150 (Flat connection)	3NP52 60-0CA00 3NP52 60-0CA10	5.670 5.613	1
	250	0 and 1	35 to 120 (Terminal clamp)	3NP52 60-0CB00 3NP52 60-0CB10	5.643 5.814	1
	400	1 and 2	6 to 240 (Flat connection)	3NP53 60-0CA00 3NP53 60-0CA10	6.850 6.836	1
	630	1 and 2	6 to 2 x 240 (Flat connection)	3NP54 60-0CA00 3NP54 60-0CA10	7.934 8.100	1

附件				Accessories		
	for fuse- Loadbreaker	Wire- section mm ²	Standard	Order-Nr.	Weight 1 Unit kg	VPE Unit
	Rapid mounting board between 2 busbar according to DIN EN 50 022 distance between busbar: 125mm 3NP35 30, 3NP40 70 3NP42 70, 3NP50 60			3NY7 322 3NY1 995	0.120	1
	auxiliary switch 3NP35, 3NP40-44			3NY3 035	0.010	1
	Triple terminal 3NP40 1 and 3NP40 7 3NP401	2.5 to 16	for mounting on Frame terminal for mounting on Flat connection	3NY7 102	0.120 3NY7 105	3 0.200
	input terminal 3NP35 and NP40 1	25 to 95		3NY1 236	0.180	3
	connection terminal 3NP42 3NP43 3NP44	70 to 150 120 to 240 150 to 300		3NY7 120 3NY7 130 3NY7 140	0.200 0.300 0.400	3
	3-Phase-busbar with pitch 90mm=5TE 3NP35 and 3NP40 1		for 2 breaker for 3 breaker connection busbar	3NY1 237 3NY1 238 3NY1 263	0.210 0.350 0.210	1
	handle gray with designation panel		for 3NP40 1 for 3NP40 7	3NY7 003 3NY7 001	0.150 0.193	1

Further equipment versions, coverings and insulating material shields see catalog NS K. Dimensions drawing see page 10/9 to 10/12.

SITOR- 熔断体			SITOR Fuse links		
  	符合 DIN VDE 0636 和 IEC 269 标准 外形尺寸符合 DIN 43 620 (3NE87... 符合 DIN 43 653) 额定电压: AC 660V, AC 690V, AC 1000V 工作等级 gR (aR) 用于半导体器件保护 标识: SITOR		According to DIN VDE 0636 and IEC 269 Dimensions according to DIN 43 620 (DIN 43 653 for 3NE8 7...) Rated voltage: AC 660V, AC 690V, AC 1000V Operating class gR (aR) for semiconductor protection Identification: SITOR		
	制造等级 Size	I_n A	使用类别 Operating Class	订货号 Order No.	包装 Packing 件 / Unit 重量 Weight 1 件 / 1 Unit kg
	带有螺丝固定的搭板 /With bolt-on lugs 额定电压: AC 660V/Rated voltage: AC 660V 制造宽度: 21mm , 固定尺寸: 80mm/Width: 21mm, fixing dimensions: 80mm				
	00	20 25 32 40 50 63 80 100 125 160 200 250 315	gR aR aR aR aR	3NE8 714 3NE8 715 3NE8 701 3NE8 702 3NE8 717 3NE8 718 3NE8 720 3NE8 721 3NE8 722 3NE8 724 3NE8 725 3NE8 727 3NE8 731	10 10 10 10 10
	安装在 NH- 熔断器底座中 /Mounting in LV HRC fuse bases 额定电压: AC 660V/Rated voltage: AC 660V				
	00	25 35 50 63 80 100 125 160	gR aR	3NE8 015 3NE8 003 3NE8 017 3NE8 018 3NE8 020 3NE8 021 3NE8 022 3NE8 024	10 10
	安装在 NH- 熔断器底座中 /Mounting in LV HRC fuse bases 额定电压: AC 690V/Rated voltage: AC 690V				
	00	25 35 50 63 80 100 125 160	gR aR	3NE8 015-1 3NE8 003-1 3NE8 017-1 3NE8 018-1 3NE8 020-1 3NE8 021-1 3NE8 022-1 3NE8 024-1	3 3

- 尺寸图见第 10/13 至 10/14 页。 / For dimension drawings, see pages 10/13 to 10/14.
 ► 其它结构型式见产品样本 DA 94.1 . / For further information and designs, see Catalog DA 94.1.


SITOR- 熔断器

SITOR Fuses

SITOR- 熔断体(续)				SITOR Fuse links (Continuation)			
	制造等级 Size	I _n A	制造宽度 mounting width mm	使用类别 Operating Class	订货号 Order No.	包装 Packing 件 / Unit	重量 Weight 1 件 / 1 Unit kg
	安装在 NH- 熔断器底座中 /Mounting in LV HRC fuse bases 额定电压: AC 690V/Rated voltage: AC 690V						
	00	16	21	gR	3NE1 813-0	3	0.130
		20	21		3NE1 814-0		
		25	21		3NE1 815-0		
		35	21		3NE1 801-0		
		40	21		3NE1 802-0		
		50	21		3NE1 817-0		
		63	21		3NE1 818-0		
		80	21		3NE1 820-0		
100		30	3NE1 021-0		3	0.200	
125		46	3NE1 022-0				
1	160	46	gR	3NE1 224-0	3	0.550	
	200	46		3NE1 225-0			
	250	46		3NE1 227-0			
2	315	57	gR	3NE1 230-0	3	0.550	
	350	57		3NE1 331-0	3	0.700	
	400	57		3NE1 332-0	3	0.950	
	450	57		3NE1 333-0			
	500	57		3NE1 334-0			
	560	71.2		3NE1 435-0			
	630	71.2		3NE1 436-0			
安装在 NH- 熔断器底座中 /Mounting in LV HRC fuse bases 额定电压: AC 1000V/Rated voltage: AC 1000V (注意 NH- 熔断器底座的额定电压)/(Please note the rated voltage of LV HRC fuse bases)							
0	32	30	gR	3NE4 101	3	0.270	
	40	30		3NE4 102			
	50	30		3NE4 117			
	63	30		3NE4 118			
	80	30		3NE4 120			
	100	30	aR	3NE4 121			
	125	30		3NE4 122			
	160	30		3NE4 124			

► 尺寸图见第 10/13 至 10/14 页。 / For dimension drawings, see pages 10/13 to 10/14.



► 其它结构型式见产品样本 DA 94.1. / For further information and designs, see Catalog DA 94.1.

SITOR- 熔断体 (续)				SITOR Fuse links (Continuation)		
	制造等级 Size	I_n A	使用类别 Operating Class	订货号 Order No.	包装 Packing 件 / Unit	重量 Weight 1 件 / 1 Unit kg
	带有螺丝固定的搭板 /With bolt-on lugs 额定电压: AC 1000V/Rated voltage: AC 1000V 固定尺寸: 110mm, 还可安装在 NH- 熔断器底座中 Fixing dimensions: 110mm, also retro-fitting in LV HRC fuse bases (注意 NH 熔断器底座的额定电压) (Please note the rated voltage of LV HRC fuse bases)					
	1	100 125 160 200 250 315 350 400 450	aR	3NE3 221 3NE3 222 3NE3 224 3NE3 225 3NE3 227 3NE3 230-0B 3NE3 231 3NE3 232-0B 3NE3 233	3	0.550
	带有螺丝固定的搭板 /With bolt-on lugs 额定电压: AC 1000V/Rated voltage: AC 1000V 固定尺寸: 110mm, 还可安装在 NH- 熔断器底座中 Fixing dimensions: 110mm, also retro-fitting in LV HRC fuse bases (注意 NH 熔断器底座的额定电压) (Please note the rated voltage of LV HRC fuse bases)					
	2	400 450 500 560 630	aR	3NE3 332-0B 3NE3 333 3NE3 334-0B 3NE3 335 3NE3 336	3	0.700
	2 (AC 900V) 2 (AC 800V) 2 (AC 690V)	710 800 900	aR	3NE3 337-8 3NE3 338-8 3NE3 340-8	3	0.700

- 尺寸图见第 10/13 至 10/14 页。/ For dimension drawings, see pages 10/13 to 10/14.
 ► 其它结构型式见产品样本 DA 94.1。/ For further information and designs, see Catalog DA 94.1.

SITOR- 熔断器

SITOR Fuses

SITOR- 熔断体 (续)					SITOR Fuse links (Continuation)						
 	安装在 NH- 熔断器底座上和负荷隔离开关中工作时允许的负载和需要的连接截面 Permissible loading and required conductor cross-section areas at operation in LV HRC fuse bases and switch-disconnectors										
	SITOR - 熔断体 For SITOR fuse links	额定电流 Rated current I_n A	需要的连接截面 Required conductor cross-section area mm ² Cu	NH - 熔断器底座 LV HRC fuse bases 订货号 Order No.	最大电流 max. current A	适用的插拔手柄 Suitable fuse puller 订货号 Order No.	熔断器式负荷隔离开关 Fuse switch-disconnector 订货号 Order No.		最大电流 max. current A	带熔断器的负荷隔离开关 Switch-disconnector with fuses 订货号 Order No.	最大电流 max. current A
	3NE8 015	25	4	3NH3 030/ 3NH4 030	25	3NX1 011 -2C	3NP40/ 3NP50	25	3KL50 30	25	
	3NE8 003	35	6		35			35		35	
	3NE8 017	50	10		50			45		45	
	3NE8 018	63	16		63			55		55	
	3NE8 020	80	25		80			70		3KL52 30	70
	3NE8 021	100	35		100			85			85
	3NE8 022	125	50		125			100			100
	3NE8 024	160	70		160			130			130
	3NE1 813-0	16	1,5	3NH3 030/ 3NH4 030	16	3NX1 011 -2C	3NP35/ 3NP40	16	3KL50 30	16	
	3NE1 814-0	20	2,5		20			20		20	
	3NE1 815-0	25	4		25			25		25	
	3NE1 803-0	35	6		35			35		35	
	3NE1 802-0	40	10		40			40		40	
	3NE1 817-0	50	10		50			50		50	
	3NE1 818-0	63	16		63			63		63	
	3NE1 820-0	80	25		80			80		3KL52 30	80
	3NE1 021-0	100	35	3NH3 030/ 3NH4 030	100	3NX1 011 -2C	3NP40/ 3NP50	100	3KL52 30	100	
	3NE1 022-0	125	50		125			125		125	
	3NE1 224-0	160	70	3NH3 230/ 3NH4 230	160	3NX1 011 -2C	3NP42/ 3NP52	160	3KL55 30	160	
	3NE1 225-0	200	95		200			200		200	
	3NE1 227-0	250	120		250			250		250	
	3NE1 230-0	315	2 × 70	3NH3 330	315	3NX1 011 -2C	3NP53	315	3KL57 30	315	
	3NE1 331-0	350	2 × 95		350			350		335	
	3NE1 332-0	400	2 × 95		400			400		380	
	3NE1 333-0	450	2 × 120	3NH3 430	450		3NP54	450	3KL61 30	450	
	3NE1 334-0	500	2 × 120		500			500		500	
	3NE1 435-0	560	2 × 150	3NH3 430	560	3NX1 011 -2C	3NP54	560	3KL61 30	560	
	3NE1 436-0	630	2 × 185		630			630		630	
3NE4 101	32	6	3NH3 120/ 3NH4 230	32	3NX1 011 -2C	3NP42 ¹⁾ / 3NP52	32	3KL55 30	32		
3NE4 102	40	10		40			40		40		
3NE4 117	50	10		50			50		50		
3NE4 118	63	16		63			63		63		
3NE4 120	80	25		80			80		80		
3NE4 121	100	35		100			95		95		
3NE4 122	125	50		125			120		120		
3NE4 124	160	70		160			150		150		
3NE3 221	100	35	3NH3 230/ 3NH4 230	100	3NX1 011 -2C	3NP42 ¹⁾ / 3NP52	90	3KL55 30	90		
3NE3 222	125	50		125			110		110		
3NE3 224	160	70		160			140		140		
3NE3 225	200	95		200			175		175		
3NE3 227	250	120		250			210		210		
3NE3 230-0B	315	185	3NH3 330	305		3NP53	285	3KL57 30	240		
3NE3 231	350	240		335			310		265		
3NE3 232-0B	400	240		380			330		290		
3NE3 233	450	2 × 150		425			360		320		
3NE3 332-0B	400	240	3NH3 430	400	3NX1 011 -2C	3NP54	340	3KL61 30 ¹⁾	340		
3NE3 333	450	2 × 150		450			380		380		
3NE3 334-0B	500	2 × 150		500			450		440		
3NE3 335	560	2 × 185		560			510		500		
3NE3 336	630	2 × 185		630			580		540		

¹⁾ 在保持 DIN VDE 0650 第 100 部分规定的污染度 2 时, 负荷隔离开关 3KL 和 3NP 的额定绝缘电压为 1000V, 相当于按污染度 3 设计;

When meeting the requirements of pollution grade 2 according to DIN VDE 0650 Part 100 the rated isolation voltage of the 3KL and 3NP circuit-breakers is 1000V. The circuit-breakers are constructed for pollution grade 3.



5/1


柱形熔断器

Cylindrical Fuses

柱形熔断体			Cylindrical fuse links		
	符合 IEC 269-2, NF C 63 210-63 211-60 200, NBN C 63 269-2 en-2-1 和 CEI 32-4 标准 额定电压: AC 400V, AC 500V 使用类别 aM 用于短路范围内的开关电器保护 (主要是电动机) 额定分断能力: AC 100kA		According to IEC 269-2, NF C 63 210-63 211-60 200, NBN C 63 269-2 en-2-1 and CEI 32-4 Rated voltage: AC 400V, AC 500V Operating class aM for switchgear protection in short-circuit range (Mainly Motors) Rated breaking capacity: AC 100kA		
	制造等级 Size	I_n A	订货号 Order No.	包装 Packing 件 / Unit	重量 Weight 1 件 / 1 Unit kg
	10 × 38	0.5 1 2 4 6 8 10 16 20 25 ¹⁾	3NW8 000-1 3NW8 011-1 3NW8 002-1 3NW8 004-1 3NW8 001-1 3NW8 008-1 3NW8 003-1 3NW8 005-1 3NW8 007-1 3NW8 010-1	10	0.750
	14 × 51	2 4 6 8 10 16 20 25 32 40 50 ¹⁾	3NW8 102-1 3NW8 104-1 3NW8 101-1 3NW8 108-1 3NW8 103-1 3NW8 105-1 3NW8 107-1 3NW8 110-1 3NW8 112-1 3NW8 117-1 3NW8 120-1	10	1.900
	22 × 58	10 16 20 25 32 40 50 63 80 100 ¹⁾	3NW8 203-1 3NW8 205-1 3NW8 207-1 3NW8 210-1 3NW8 212-1 3NW8 217-1 3NW8 220-1 3NW8 222-1 3NW8 224-1 3NW8 230-1	10	5.100

► 尺寸图见第 10/15 页。 / For dimension drawings, see page 10/15.

¹⁾ 仅适用于 AC 400V。
Only for AC 400V.

柱形熔断器		Cylindrical fuses				
	符合 IEC 269-2, NF C 63 210-63 211-60 200, NBN C 63 269-2 en-2-1 标准 柱形熔断器没有经过 DIN VDE 0636 认证, 故不带 VDE 认可标志 额定电压: AC 500V		According to IEC 269-2,NF C 63 210-63 211-60 200, NBN C 63 269-2 en-2-1 Cylindrical fuses are not DIN VDE 0636 approved and therefore do not carry the VDE mark of conformity Rated voltage: AC 500V			
	柱形熔断体的卡装式熔断器底座 /Mounting fuse bases for cylindrical fuse links 使用类别: AC-20B, DC-20B/Utilization category AC-20B, DC-20B					
	极数 No. of poles	I_n A	制造等级 Size	订货号 Order No.	包装 Packing 件 / Unit	重量 Weight 1 件 / 1 Unit kg
	1 1+N 2 3 3+N	20	8.5 × 31.5	3NW7 310 3NW7 350 3NW7 320 3NW7 330 3NW7 360	12 6 6 4 3	0.058 0.120 0.112 0.167 0.227
	1 1+N 2 3 3+N	32	10 × 38	3NW7 011 3NW7 051 3NW7 021 3NW7 031 3NW7 061	12 6 4 2	0.080 0.167 0.162 0.243 0.327
	1 1+N 2 3 3+N	50	14 × 51	3NW7 111 3NW7 151 3NW7 121 3NW7 131 3NW7 161	6 3 2 1	0.153 0.320 0.310 0.462 0.625
	1 1+N 2 3 3+N	100	22 × 58	3NW7 211 3NW7 251 3NW7 221 3NW7 231 3NW7 261	6 3 1 1 1	0.229 0.479 0.462 0.691 0.937

► 尺寸图见第 10/15 页。 / For dimension drawings, see page 10/15.

NEOZED- 卡装熔断器底座 D01/D02/D03 , 单极

NEOZED Flush mounting fuse bases D01/D02/D03, single-pole

特点

符合 DIN VDE 0636, IEC 60 269
D01, D02: 安装深度 55mm

适用于 N 型小型配电箱 (深度为
70mm 或 85mm)

模数化熔断器底座

通用型

卡式安装或螺丝安装

NEOZED 熔断器底座

NEOZED 熔断器保护罩

NEOZED 熔断器配合件

NEOZED 熔断器 D02

NEOZED 熔断器旋帽

NEOZED 熔断器配合件

NEOZED 熔断器 D01

NEOZED 熔断器特殊配合件

NEOZED 熔断器环状保护罩

Features

• According to DIN VDE 0636, IEC 60 269

• D01, D02: N-type device mounting depth of 55mm

• For N-type small distribution boards, recess mounting depth 70mm or 85mm

• Fuse base made of **molded plastic**

• Universally applicatle

• For screw and snap-on mountiong

N-type NEOZED fuse base

N-type NEOZED protective cover

NEOZED adapter sleeve

NEOZED fuse link D02

NEOZED screw cap

NEOZED adapter sleeve

NEOZED fuse link D01


NEOZED special retaining spring


NEOZED cover ring




NEOZED- 熔断器

NEOZED Fuses

NEOZED- 熔断体				NEOZED Fuse links		
	符合 DIN VDE 0636、IEC 269 标准 额定电压: AC 400 V, DC 250V 工作等级 gL/gG 用作电缆和导线保护 选择性的分级配合细 额定短路分断能力高			According to DIN VDE 0636, IEC 269 Rated voltage AC 400 V, DC 250V Operating class gL/gG For cable and line protection Finely graded selectivity High rated short-circuit breaking capacity		
	制造等级 Size	I_n	标识色别 Colour mark	订货号 Order No.	包装 Packing	重量 Weight
		A	RAL 840 HR		件 / Unit	100 件 / 100 Units kg
	D01	2 4 6	玫瑰 Rosy 棕 Bronzy 绿 Green	5SE2 202 5SE2 204 5SE2 206	50	0.600
		10 16	红 Red 灰 Gray	5SE2 210 5SE2 216	50	0.700
D02		20 25 35	兰 Blue 黄 Yellow 黑 Black	5SE2 220 5SE2 225 5SE2 235	50	1.200 1.300 1.400
		50 63	白 White 铜 Coppery	5SE2 250 5SE2 263	50	1.500 1.600
D03		80 100	银 Silver 红 Red	5SE2 280 5SE2 300	10	3.950 4.200



NEOZED- 卡装熔断器底座 D01/D02 , 单极				NEOZED flush mounting fuse bases D01/D02, single-pole				
	符合 DIN VDE 0636、IEC 269 标准 也可用于电器安装深度为 55mm 的小型配电柜中 底座由塑料制成 可用卡板和螺丝固定			According to DIN VDE 0636, IEC 269 Suitable for N type distribution board device mounting depth 55 mm Bases made of moulded plastic For snap-on and screw fixing				
	制造等级 Size	I_n	制造宽度(MW) Module width(MW)	导线截面 Conductor sizes 至 / up to	接线方式 ¹⁾ Terminal design ¹⁾	订货号 Order No.	包装 Packing	重量 Weight
		A	1MW=18mm	mm ²			件 / Unit	100 件 / 100 Units kg
	带有绝缘材料制成的触电防护罩壳 /with moulded plastic protective cover							
	D01	16	1.5 MW	4	K	5SG1 504	20	6.600
	D02	63	1.5 MW	25	S	5SG1 604		8.600
	D02	63	1.5 MW	25	KS	5SG1 614		8.000

附件				Accessories		
				订货号 Order No.	包装 Packing	重量 Weight
					件 / Unit	100 件 / 100 Units kg
	N 型 NEOZED- 螺旋帽盖 / N type NEOZED screw cover 由塑料制成, 带检验孔 / of moulded plastic, with inspection hole D01/16A D02/63A			5SH4 116 5SH4 163	20 20	0.700 0.800

► 尺寸图见第 10/16 和 10/17 页。 / For dimension drawings, see pages 10/16 and 10/17

¹⁾ NEOZED- 卡装 - 熔断器底座的接线方式:

K= 顶部接触螺丝 S= 夹持式端子

KS= 进线端: 顶部接触螺丝


出线端: 夹持式端子

¹⁾ Type of termination for the NEOZED flush mounting fuse bases:


K = Screw head-contact S = Saddle-terminal

KS = Inc. screw head-contact

Out. saddle-terminal



NEOZED- 卡装熔断器底座 D01/D02/D03 , 单极				NEOZED Flush mounting fuse bases D01/D02/D03, single-pole			
<p>符合 DIN VDE 0636、IEC 269 标准 D01、D02: 电器安装深度 70mm, D03: 电器安装深度约 75mm 底座由陶瓷制成 1 极 /3 极结构类型用于卡板和螺丝固定 可通用 D01 卡装 - 熔断器底座的出线端子可用至 4mm² 的 2 线 - 连接 带 +/- 槽连接螺钉 (D01: M4, D02: M5)</p>				<p>According to DIN VDE 0636, IEC 269 D01, D02: device mounting depth 70 mm; D03: device mounting depth app. 75 mm Ceramic bases 1 and 3 pole models for snap-on and screw fixing Universal applications Two cable connection outgoing terminal for D01 flush mounting fuse bases for conductor 2 leads up to 4mm² Terminal screw Pozidriv (D01: M4, D02: M5)</p>			
制造等级 Size	I_n A	导线截面 Conductor sizes 至 / up to mm²	接线方式 ¹⁾ Terminal design ¹⁾	订货号 Order No.	包装 Packing 件 / Unit	重量 Weight 100 件 / 100 Units kg	
带有触电防护罩壳, 带卡板固定 /with protective cover, with snap-on fitting							
D01 D02 D02	16 63 63	4 25 25	B S KS	5SG1 573 5SG1 673 5SG1 683	20	7.700 9.700 8.700	
不带有触电防护罩壳, 带卡板固定 /without protective cover, with snap-on fitting							
D03	100	50	KS	5SG1 812	10	17.600	

附件				Accessories	
	MW	订货号 Order No.	包装 Packing	重量 Weight	
			件 / Unit	100 件 / 100 Units kg	
	N NEOZED 触电防护罩壳 / N type NEOZED protective cover 用于 NEOZED - 卡装 - 熔断器底座, 电器安装深度 70mm for NEOZED flush mounting fuse bases, device mounting depth 70mm D03, 绝缘材料, 可用螺丝固定 / D03, moulded plastic, screw-on 2.5 MW	5SH5 233	20	2.100	

► 尺寸图见第 10/16 和 10/17 页。/ For dimension drawings, see pages 10/16 and 10/17.

¹⁾ NEOZED- 卡装 - 熔断器底座的接线方式:

B= 插入式端子 S= 夹持式端子

KS= 进线端: 顶部接触螺丝

出线端: 夹持式端子

¹⁾ Type of termination for the NEOZED flush mounting fuse bases:


B = Clamp-type terminal S = Saddle-terminal







KS = Inc. screw head-contact

Out. saddle-terminal

NEOZED- 熔断器

NEOZED Fuses

NEOZED- 卡装熔断器底座 D01/D02 , 3 极				NEOZED Flush mounting fuse bases D01/D02, triple-pole			
	制造等级 Size	I_n A	导线截面 Conductor sizes 至 /up to mm ²	接线方式 ¹⁾ Terminal design ¹⁾	订货号 Order No.	包装 Packing 件 / Unit	重量 Weight 100 件 / 100 Units kg
	带触电防护罩壳, 用卡板固定 /with protective cover, with snap-on fitting						
	D01	16	4	B	5SG5 573	5	26.300
	D02	63	25	S	5SG5 673		29.300
	D02	63	25	KS	5SG5 683		29.000

NEOZED- 卡装熔断器底座				NEOZED flush mounting fuse bases			
<div></div> <div></div> <div></div> <div></div>	制造等级 Size	用于电工螺纹 For thread	用于熔断器 For fuses 至 / up to A	订货号 Order No.	包装 Packing 件 / Unit	重量 Weight 100 件 / 100 Units kg	
	NEOZED- 螺旋帽盖 / NEOZED screw caps 由绝缘材料制成 / of moulded plastic						
	N D01	E14	16	5SH4 116	20	0.700	
	N D02	E18	63	5SH4 163	20	0.800	
	由陶瓷料制成, 可铅封 / of porcelain, sealable						
	D01 电器安装深度 70mm / D01 device mounting depth 70mm						
		E14	16	5SH4 316	20	1.400	
	D02 电器安装深度 70mm / D02 device mounting depth 70mm						
		E18	63	5SH4 363	20	1.500	
	D03 电器安装深度约 75mm / D03 device mounting depth app. 75mm						
		M30 × 2	100	5SH4 100	10	7.000	
	套管 - 配合件 /Adapter sleeves						
	<div></div> <div></div>	D01		2	5SH5 002	50	0.040
				4	5SH5 004		
			6	5SH5 006			
			10	5SH5 010			
D02			20	5SH5 020	50	0.060	
			25	5SH5 025			
			35	5SH5 035			
			50	5SH5 050			
D03			80	5SH5 080	25	0.070	

► 尺寸图见第 10/16 和 10/17 页。 / For dimension drawings, see pages 10/16 and 10/17.

¹⁾ NEOZED- 卡装 - 熔断器底座的接线方式:

B= 插入式端子 S= 夹持式端子

KS= 进线端: 顶部接触螺丝

出线端: 夹持式端子

¹⁾ Type of termination for the NEOZED flush mounting fuse bases:

B = Clamp-type terminal S = Saddle-terminal

KS = Inc. screw head-contact

Out. saddle-terminal

DIAZED- 熔断体

DIAZED Fuse links

特点

符合 DIN VDE 0636, IEC 60 269

额定电压:

E 16/DIV 500V AC/DC,

DIII 500/690V AC,

500/600V DC,

DIV 500V AC/DC

卡式安装或螺丝安装

安装深度约 55mm

DIAZED 熔断器底座

DIAZED 熔断器保护罩

DIAZED 熔断器配合件

DIAZED 熔断器

DIAZED 熔断器旋帽

DIAZED 熔断器保护罩

DIAZED 熔断器套管

Features

• According to DIN VDE 0636, IEC 60 269

• Rated voltage:

E 16/DIV 500V AC/DC,

DIII 500/690V AC,

500/600V DC,

DIV 500V AC/DC

• For snap-on and screw

mounting

• Device mounting depth approx.

85mm

DIAZED fuse base

DIAZED protective cover

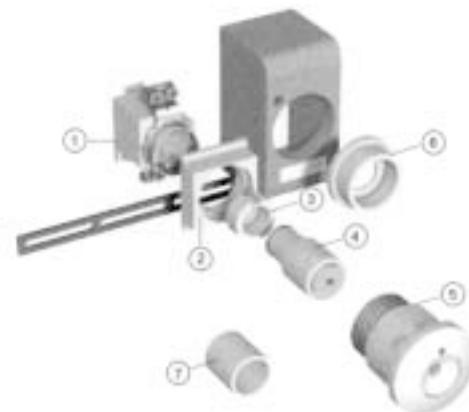
DIAZED screw adapter

DIAZED fuse link

DIAZED screw cap





DIAZED cover ring

DIAZED liner






DIAZED- 熔断器和 DIAZED- 熔断器 RL6

DIAZED Fuses & DIAZED Fuses RL6

DIAZED- 熔断体					DIAZED Fuse links		
 	制造等级 Size	I_n A	标识色别 Colour mark 符合 / According to RAL 840 HR	用于电工螺纹 For thread	订货号 Order No.	包装 Packing 件 / Unit	重量 Weight 100 件 / 100 Units kg
	熔断体 E16 / Fuse linksTN DZ/NDZ/E16						
	符合 DIN VDE 0635 标准 额定电压: AC 500V/DC500V 额定分断能力: 40kA 在 AC415V 时 1.6kA 在 DC 500V 时 用于电缆和导线保护 工作等级 gL/gG				According to DIN VDE 0635 Rated voltage AC 500 V/DC 500V Rated breaking capacity:40 kA at AC 415 V, 1.6kA at DC 500 V For cable and line protection Operating class gL/gG		
	特性: 慢动作 /Characteristic: slow						
	TNDz	2 4 6 10	玫瑰 Rosy 棕 Bronzy 绿 Green 红 Red	E16	5SA2 11 5SA2 21 5SA2 31 5SA2 51	20	1.300
	TNDz	16 20 25	灰 Gray 兰 Blue 黄 Yellow	E16	5SA2 61 5SA2 71 5SA2 81	20	1.300 1.500 1.600
	特性: 快动作 / Characteristic: quick						
	NDz	2 4 6 10	玫瑰 Rosy 棕 Bronzy 绿 Green 红 Red	E16	5SA1 11 5SA1 21 5SA1 31 5SA1 51	20	1.300
	NDz	16 20 25	灰 Gray 兰 Blue 黄 Yellow	E16	5SA1 61 5SA1 71 5SA1 81	20	1.300 1.500 1.600
	熔断体 TDz (慢动作)/Fuse links TDz (slow)						
符合 DIN VDE 0636、IEC 269 标准 额定电压: AC 500 V/DC500V 额定分断能力: 50kA 为 AC 500V 8kA 为 DC 500V 用于电缆和导线保护 工作等级 gL/gG				According to DIN VDE 0636, IEC 269 Rated voltage AC 500 V/DC500V Rated breaking capacity: 50kA at AC 500V 8kA at DC 500V For cable and line protection Operating class gL/gG			
5 包 , 每包 5 件 /Packed in 5 packs of 5							
 	DII	2 4 6	玫瑰 Rosy 棕 Bronzy 兰 Blue	E27	5SB2 11 5SB2 21 5SB2 31	25	2.600
	DII	10 16 20 25	红 Red 灰 Gray 兰 Blue 黄 Yellow	E27	5SB2 51 5SB2 61 5SB2 71 5SB2 81	25	2.700 2.800 2.900 3.100
	DIII	35 50 63	黑 Black 白 White 铜 Coppery	E33	5SB4 11 5SB4 21 5SB4 31	25	5.000 5.100 5.400
	每包 10 件 /Packed of 10						
	DIV	80 100	银 Silver 红 Red	R1 $\frac{1}{4}$ "	5SC2 11 5SC2 21	10	11.000

► 尺寸图见第 10/17 和 10/18 页。 / For dimension drawings, see pages 10/17 and 10/18.

DIAZED- 熔断体				DIAZED Fuse links			
 	制造等级 Size	I_n A	标识色别 Colour mark 符合 / According to RAL 840 HR	用于电工螺纹 For thread	订货号 Order No.	包装 Packing 件 / Unit	重量 Weight 100 件 / 100 Units kg
	熔断体 TDz(快动作) / Fuse linksTDz (quick)						
	符合 DIN VDE 0635 标准 额定电压: AC 500 V/DC 500V 用于电缆和导线保护				According to DIN VDE 0635 Rated voltage: AC 500V/DC 500V For cable and line protection		
	5 包, 每包 5 件 / Packed in 5 packs of 5						
	DII	2 4 6	玫瑰 棕 绿	Rosy Bronzy Green	E27	5SB1 11 5SB1 21 5SB1 31	25
DII	10 ¹⁾ 10 16	红 红 灰	Red Red Gray	E27	5SB1 41 5SB1 51 5SB1 61	25	2.600 2.700 2.800
DII	20 25	兰 黄	Blue Yellow	E27	5SB1 71 5SB1 81	25	2.900 3.100
DIII	35 50 63	黑 白 铜	Black White Coppery	E33	5SB3 11 5SB3 21 5SB3 31	25	5.000 5.100 5.400
每包 10 件 / Packed of 10							
DIV	80 100	银 红	Silver Red	R1 $\frac{1}{4}$ "	5SC1 11 5SC1 21	10	11.000



DIAZED- 熔断体 RL6					DIAZED fuse links RL6		
	制造等级 Size	I_n A	标识色别 Colour mark 符合 / According to RAL 840 HR	用于电工螺纹 For thread	订货号 Order No.	包装 Packing 件 / Unit	重量 Weight 100 件 / 100 Units kg
	熔断体 / Fuse links Class gG						
	符合 IEC 269-3 标准 额定电压: AC 500V/DC 500V 用于电缆和导线保护 工作等级: gG				According to IEC 269-3 Rated voltage: AC 500 V/DC 500 V For cable and line protection Operating class: gG		
	DII(RL6-75)	2 4 6	玫瑰 Rosy 棕 Bronzy 兰 Blue	E27	5SB2 118-2C 5SB2 218-2C 5SB2 318-2C	5	2.600
	DII(RL6-25)	10 16 20 25	红 Red 灰 Gray 兰 Blue 黄 Yellow	E27	5SB2 518-2C 5SB2 618-2C 5SB2 718-2C 5SB2 818-2C	5	2.700 2.800 2.900 3.100
	DIII(RL6-63)	35 50 63	黑 Black 白 White 铜 Coppery	E33	5SB4 118-2C 5SB4 218-2C 5SB4 318-2C	5	5.000 5.100 5.400
	每包 10 件 / Packed of 10						
	DIV(RL6-100)		80 100	银 Silver 红 Red	R1 $\frac{1}{4}$ "	5SC2 118-2C 5SC2 218-2C	10 11.000



► 尺寸图见第 10/17 和 10/18 页。 / For dimension drawings, see pages 10/17 and 10/18.

¹⁾ 使用 6A 配合压环用的底部接触塞。
With base contact stud for 6A adapter.


SILZED- 熔断体

SILZED Fuses links

DIAZED- 熔断体						DIAZED Fuse links	
	制造等级 Size	I_n	标识色别 Colour mark 符合 / According to	用于电工螺纹 For thread	订货号 Order No.	包装 Packing	重量 Weight 100 件 / 100 Units
		A	RAL 840 HR			件 / Unit	kg
	熔断体 TDz (慢动作)/Fuse links TDz (slow)						
	符合 DIN VDE 0636、IEC 269 标准 额定电压: AC 690V, DC 600V 额定分断能力: 50kA 在 AC 690V 时 8kA 在 DC 600V 时 用于电缆和导线保护 工作等级 gL/gG			According to DIN VDE 0636, IEC 269 Rated voltage AC 690 V, DC 600V Rated breaking capacity: 50 kA at AC 690V, 8kA at DC 600V For cable and line protection Operating class gL/gG			
	DIII	2 4 6	玫瑰 棕 绿 Rosy Bronzy Green	E33	5SD8 002 5SD8 004 5SD8 006	25	6.800
	DIII	10 16	红 灰 Red Gray	E33	5SD8 010 5SD8 016	25	6.900
	DIII	20 25	兰 黄 Blue Yellow	E33	5SD8 020 5SD8 025	25	7.100 7.200
	DIII	35 50 63	黑 白 铜 Black White Coppery	E33	5SD8 035 5SD8 050 5SD8 063	25	7.800 8.000 8.200

DIAZED- 熔断体						DIAZED fuse links	
	制造等级 Size	I_n	标识色别 Colour mark 符合 / According to	用于电工螺纹 For thread	订货号 Order No.	包装 Packing	重量 Weight 100 件 / 100 Units
		A	RAL 840 HR			件 / Unit	kg
	熔断体 TDz (快动作)/Fuse links TDz (quick)						
	符合 DIN VDE 0636 标准 额定电压: AC 750V, DC 750V 额定分断能力: 50 kA 在 AC 750V 时 8kA 在 DC 750V 时 用于电缆和导线保护			According to DIN VDE 0636 Rated voltage AC 750V, DC 750V Rated breaking capacity: 50kA at AC 750V, 8kA at DC 750V For cable and line protection			
	DIII	2 4 6	玫瑰 棕 绿 Rosy Bronzy Green	E33	5SD601 5SD602 5SD603	25	6.800
	DIII	10 16	红 灰 Red Gray	E33	5SD604 5SD605	25	6.900
	DIII	20 25	兰 黄 Blue Yellow	E33	5SD606 5SD607	25	7.100 7.200
	DIII	35 50 63	黑 白 铜 Black White Coppery	E33	5SD608 5SD610 5SD611	25	7.800 8.000 8.200

► 尺寸图见第 10/17 和 10/18 页。 / For dimension drawings, see pages 10/17 and 10/18.



SILZED- 熔断体 ¹⁾			SILZED-Fuse links ¹⁾			
	制造等级 Size	I_n A	用于电工螺纹 For thread	订货号 Order No.	包装 Packing 件 / Unit	重量 Weight 100 件 / 100 Units kg
	熔断体 TDz / Fuse linksTDz					
	符合 DIN VDE 0636 标准 额定电压: AC 500 V/DC 500V 用于保护半导体: 大功率可控硅与二极管 工作等级 gR 用黄色环标识			According to DIN VDE 0636 Rated voltage: AC 500 V/DC 500V For semiconductor protection: protection of power thyristors and diodes Operating class gR Marked with yellow ring for easy identification		
	5 包, 每包 5 件 / Packed in 5 packs of 5					
	DII	16 20 25 30 ¹⁾	E27	5SD4 20 5SD4 30 5SD4 40 5SD4 80	25	2.800 2.900 3.100 3.100
	DIII	35 50 63	E33	5SD4 50 5SD4 60 5SD4 70	25	5.000 5.100 5.400
	DIV	80 100	R1 ¹ / ₄ "	5SD5 10 5SD5 20	10	11.00

► 尺寸图见第 10/17 和 10/18 页。 / For dimension drawings, see pages 10/17 and 10/18.

¹⁾ 适用于 DIAZED- 熔断器底座。
Suitable in DIAZED-Fuse base.

DIAZED Fuses



Technical drawing of a mechanical assembly, likely a valve or pump component, showing a cross-section. The drawing includes numbered callouts 1 through 6, corresponding to the following parts:

- 1: Top flange or cover plate.
- 2: Central shaft or stem.
- 3: Seal or gasket.
- 4: Housing or body.
- 5: Side flange or connection port.
- 6: Bottom flange or base.

提示: 为了熔断器的可靠接触和功能必须具有配合螺丝。

Note: Adapter screws are required for safe contacting and functioning of the fuses.

► 尺寸图见第 10/17 和 10/18 页。 / For dimension drawings, see pages 10/17 and 10/18.

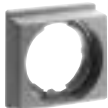

¹⁾ 也适用于电网电压 $\sim 690\text{V} + 5\%$ 。
Also for mains voltages of $\sim 690\text{V AC} + 5\%$.

2) K = 顶部接触螺丝
KB = 卡箍式端子
S = 夹持式端子
K = Screwhead-contact
KB = Clamp-terminal
S = Saddle-terminal

DIAZED 熔断器底座用的附件			Accessories for DIAZED flush mounting fuse bases						
	制造等级 Size	I_n	用于电工螺纹 for thread	用于熔断器底座 For fuse links	订货号 Order No.	包装 Packing	重量 Weight 100 件 / 100 Units		
	A					件 / Unit	kg		
	DIAZED- 熔断器用配合螺丝 / Screw adapters for DIAZED fuses								
	NDz		E 16	2	5SH3 28	100	0.200		
				4	5SH3 31				
				6	5SH3 05				
				10	5SH3 06				
				16	5SH3 07				
	DII		E 27	2	5SH3 10	25	0.200		
4				5SH3 11					
6				5SH3 12					
						10	5SH3 13	25	1.500
						16	5SH3 14		
						20	5SH3 15		
			25	5SH3 16	25	1.200			
DIII		E 33	35	5SH3 17	25	1.900			
			50	5SH3 18					
			63	5SH3 20					
DIV/R1 1/4 ¹⁾			80	5SH3 21	50	0.600			
			100	5SH3 22					
1): 为了熔断器的功能与可靠的接触，必须具有配合螺丝。配件同时满足 DIAZED 熔断器底座的平齐安装要求。 1): Adapter screws are required for safe contacting and functioning of the fuses, also suitable for mounting in DIAZED flush-mounting fuse base DIII									
额定电压: AC 500V/DC 500V Rated voltage: AC 500V/DC 500V									
螺旋帽盖 / Screw caps									
由瓷料制成 (窄形结构)/of porcelain (narrow design)									
	NDz	25	E16	5SH1 11	50	1.700			
	DII	25	E27	5SH1 12	25	3.400			
	DIII	63	E33	5SH1 13		5.900			
由瓷料制成 (蘑菇形) 带检验孔，可铅封 of porcelain (mushroom-shaped) with inspection hole, sealable									
	DII	25	E27	5SH1 22	25	4.000			
	DIII	63	E33	5SH1 23		8.000			
	DIV	100	R ¹ / ₄ "	5SH1 14	8	22.000			
额定电压: AC 690V Rated voltage: AC 690V									
由瓷料制成, D- 熔断体的加长型结构用于 5SD8... of porcelain, longer version for fuse links 5SD8...									
	DIII	63	E33	5SH1 170	25	8.600			

► 尺寸图见第 10/17 和 10/18 页。 / For dimension drawings, see pages 10/17 and 10/18.

DIAZED- 熔断器
DIAZED Fuses

DIAZED 熔断器底座用的附件				Accessories for DIAZED flush mounting fuse bases			
 	制造等级 Size	I_n	底座宽度 Base width	用于熔断器底座 For fuse links	订货号 Order No.	包装 Packing 件 / Unit	重量 Weight 100 件 / 100 Units kg
	A						
	触电保护罩壳 / Protective cover						
	1 极，由绝缘材料制成 / single-pole, of moulded plastic						
	用于 DII 熔断器底座 / for fuse base D II						
			41	E27	5SH2 032	20	1.700
	用于 DIII 熔断器底座 / for fuse base D III						
			53	E33	5SH2 232	20	2.000
	DIAZED 瓷套管 / DIAZED collars 用于熔断器底座 / porcelain for fuse base						
	ND _z		33	E16	5SH3 30	100	2.000
	DII		43	E27	5SH3 32		2.900
	DIII		51	E33	5SH3 34		3.500
	DIV		67	R1 1/4 "	5SH3 36	10	9.700

► 尺寸图见第 10/17 和 10/18 页。 / For dimension drawings, see pages 10/17 and 10/18.

5SG7 MINIZED 熔断器式隔离开关 D01, 2 至 16 A

5SG7 MINIZED Switch-disconnectors D01, 2 to 16 A

特点

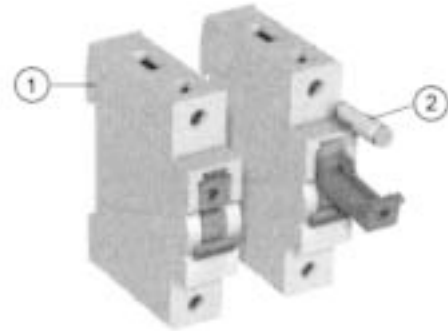
符合 DIN VDE 0638, EN 60947-3
安装深度为 55mm, 能够导轨安装
插入式接线端子, 连接导线截面
从 1.5mm² 至 16mm²
需快速合上, 更换熔断器必须在
无压状态下进行
负荷条件下直接切换
有两个独立点, 所以可以从上边
或下边进线
宽度为每根 1 个模数(即每根
18mm) 的紧凑设计
适用于 NEOZED 熔断器 D01 型,
最大电流到 16A

N 型 MINIZED 熔断器隔离开关
NEOZED 熔断器 D01

Features

According to DIN VDE 0638, EN
60 947-3
Mounting depth 55mm, can be
rail-mounted
Clamp type terminals, 1.5mm²,
solid up to 16mm² stranded
conductors can be connected
With quick-loading feature for
fast, safe fuse link replacement
in a no-voltage condition
For direct switching onto a load
With two isolating points so
that it can be fed from both
sides
Narrow design with one
modular width MW=18 mm per
pole
For NEOZED fuse links D01 up
to 16A

N-type MINIZED switch
disconnecter D01
NEOZED fuse link D01



选型和订货数据				Selection and ording data		
	极数 Poles	I_n A	模数 MV	订货号 Order No.	包装单位 Packing Unit	重量 Weight 1 件 / 1 unit kg
	 1	16	1	5SG7 713	3	0.0080
	 1+N	16	2	5SG7 753	2	0.150
	 2	16	2	5SG7 723	2	0.160
	 3	16	3	5SG7 733	1	0.250
	 3+N	16	4	5SG7 763	1	0.310

► 尺寸图见第 10/19 页。 / For dimension drawings and terminal connections, refer to page 10/19.

MINIZED 熔断器隔离开关
MINIZED Switch-Disconnecter

5SG7 MINIZED 熔断器式隔离开关 D02, 20 至 63 A	5SG7 MINIZED Switch-disconnectors D02, 20 to 63 A
--------------------------------------	---

<p>特点</p> <p>符合 DIN VDE 0638, EN 60947-3 安装深度为 55mm, 能够导轨安装 有扁线罩子 插入式接线端子, 截面至 35mm² 需快速合上, 更换熔断器必须在无压状态下进行 负荷条件下直接切换 有两个独立点, 所以可以从上边或下边进线 宽度为每根 1.5 个模数(即每根 27mm) 的紧凑设计 适用于 NEOZED 熔断器 D02 型, 最大电流到 63 A (也适用于 NEOZED 熔断器 D01 型, 前提是 与 5SH5400 配合使用)</p> <p>N 型 MINIZED 带旋帽的 D02 熔断器隔离开关 配合件 NEOZED 熔断器 D02 N 型 MINIZED 旋帽 D02 配合件 NEOZED 熔断器 D01 NEOZED 熔断器特殊配合件</p>	<p>Features</p> <p>According to DIN VDE 0638, EN 60 947-3 Device mounting depth55mm, can be rail-mounted With screw cap Clamp type terminal, up to 35mm² With quick-loading feature for fast, safe fuse link replacement in a no-voltage condition For direct switching onto a load With two isolating points so that it can be fed from both sides Narrow design with 1.5 modular width MW=27mm per pole For NEOZED fuse links D02 up to 63A (Also suitable for NEOZED fuse links D01 up to 16A with a special retaining spring)</p> <p>N-type MINIZED switch disconnector D02 with screw cap Adapter sleeve NEOZED fuse link D02</p>	<p>N-type MINIZED screw cap D02 Adapter sleeve NEOZED fuse link D01 NEOZED special retaining spring</p>
--	--	---

选型和订货数据				Selection and ording data		
	极数 Poles	I_n A	模数 MV	订货号 Order No.	包装单位 Packing Unit	重量 Weight 1 件 / 1 unit kg
	1	63	1.5	5SG7 111	3	0.0080
	1+N	63	3	5SG7 151	2	0.150
	2	63	3	5SG7 121	2	0.160
	3	63	4.5	5SG7 131	1	0.250
	3+N	63	6	5SG7 161	1	0.310
	MINIZED 熔断器 D02 N-type MINIZED cap D02/63A 模数化可封闭, 适用于替换要求 made of molded plastic, sealable, for replacement requirements			5SH4 166	20	1.030
	D02 的特殊配合件 Special retaining spring D02			5SH5 400	25	0.070

► 尺寸图见第 10/19 页。 / For dimension drawings and terminal connections, refer to page 10/19.

特性曲线

Characteristic curves

NH 型熔断体
LV HRC Fuse Links

型号 / Range
3NA3 8

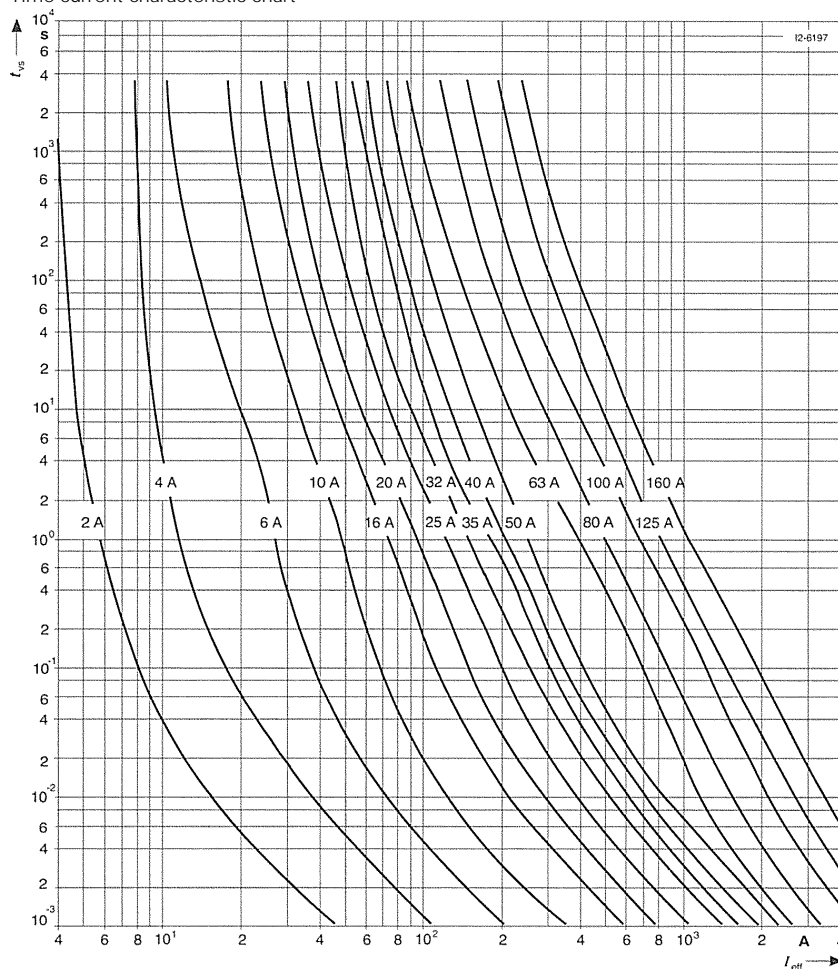
制造等级 / Size
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运行类别 / Operating class
gL / gG

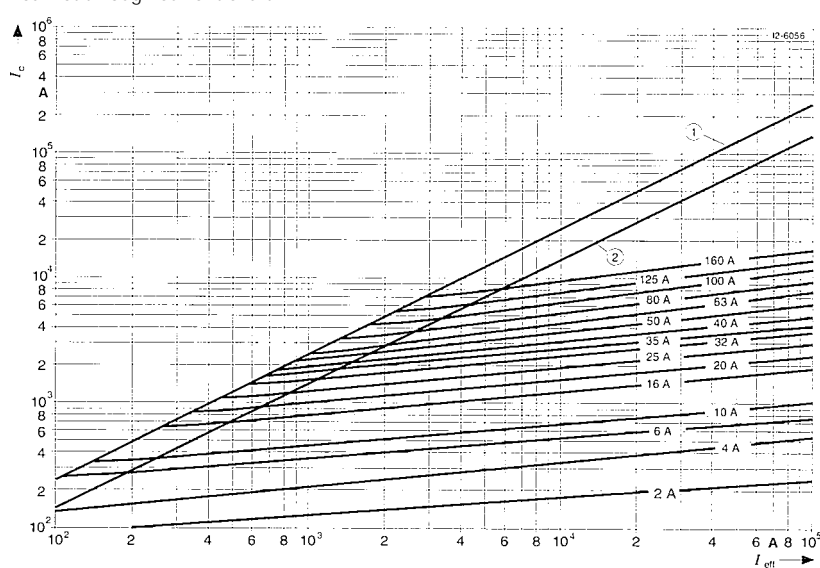
额定电压 / Rated voltage
AC 500V / DC 250V

额定电流 / Rated current
2 - 160A

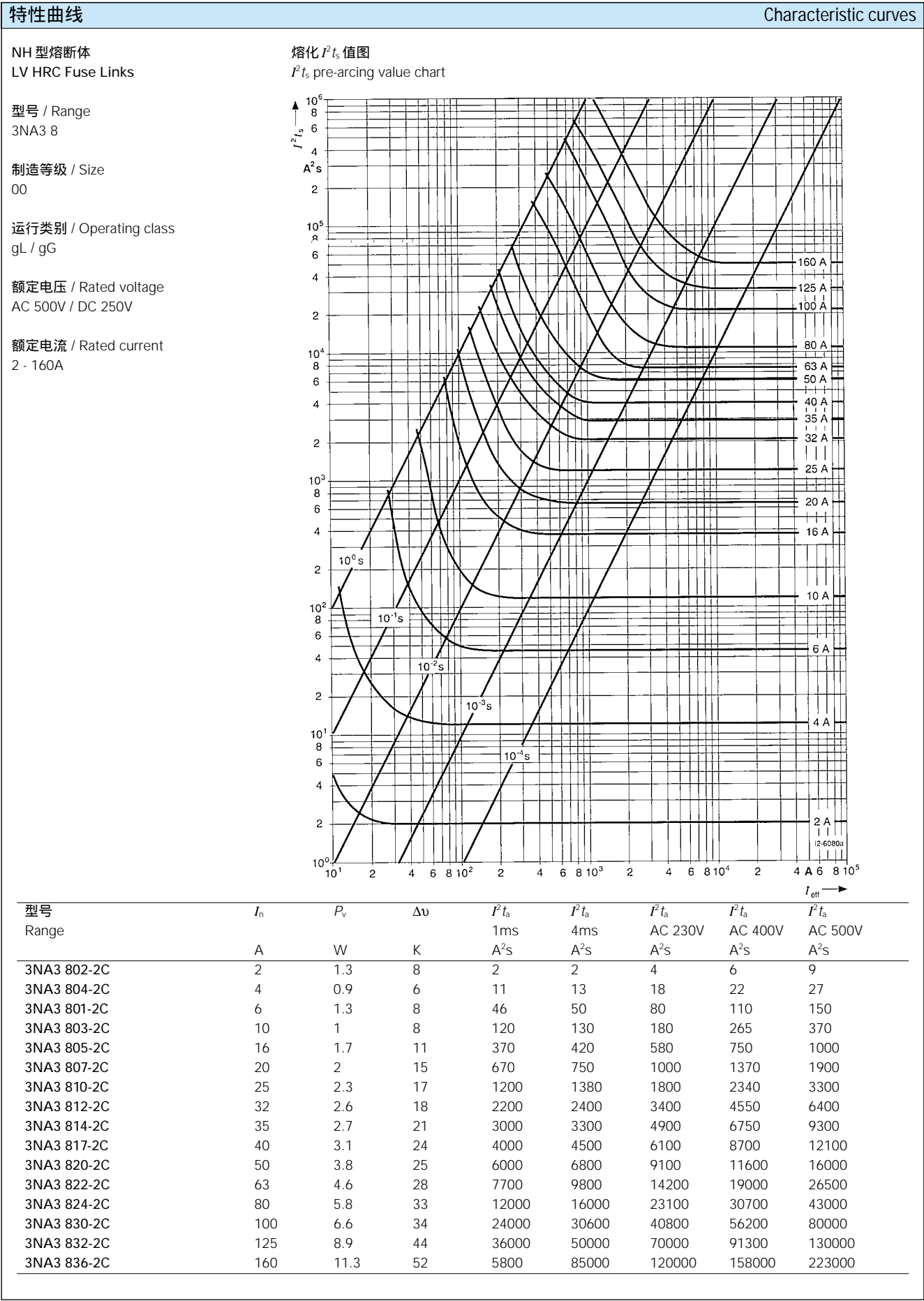
时间 - 电流特性图
Time-current characteristic chart



极限电流图
Peak let-through current chart



特性曲线
Characteristic Curves



特性曲线

Characteristic curves

NH 型熔断体
LV HRC Fuse Links

型号 / Range
3NA3 0

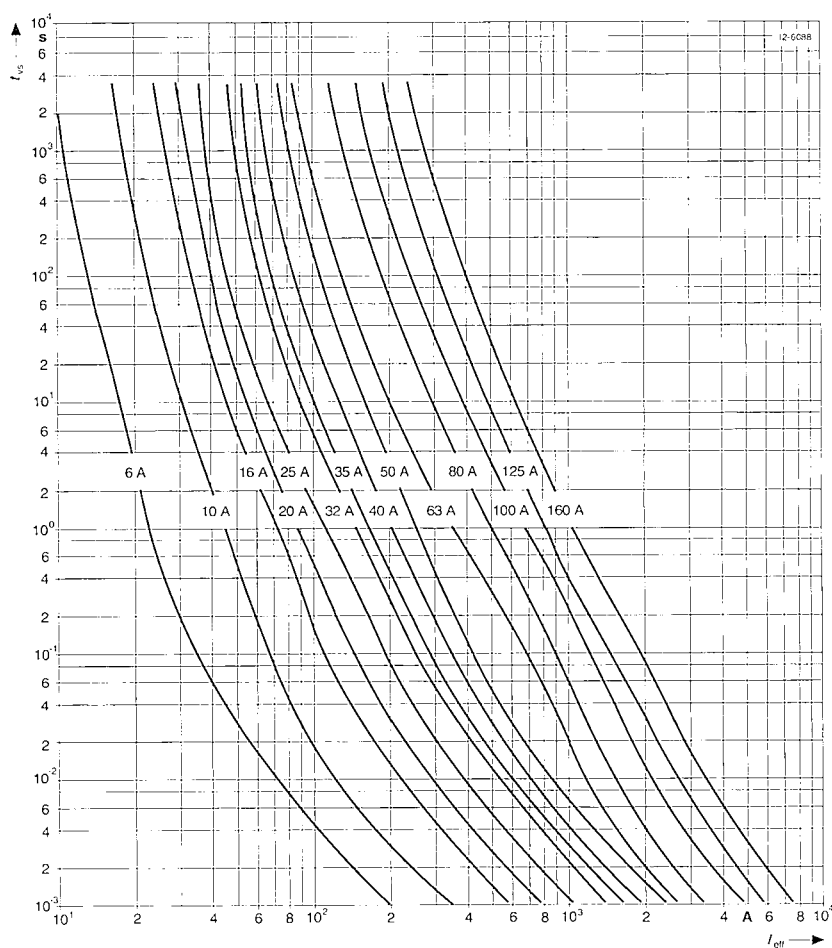
制造等级 / Size
0

运行类别 / Operating class
gL/gG

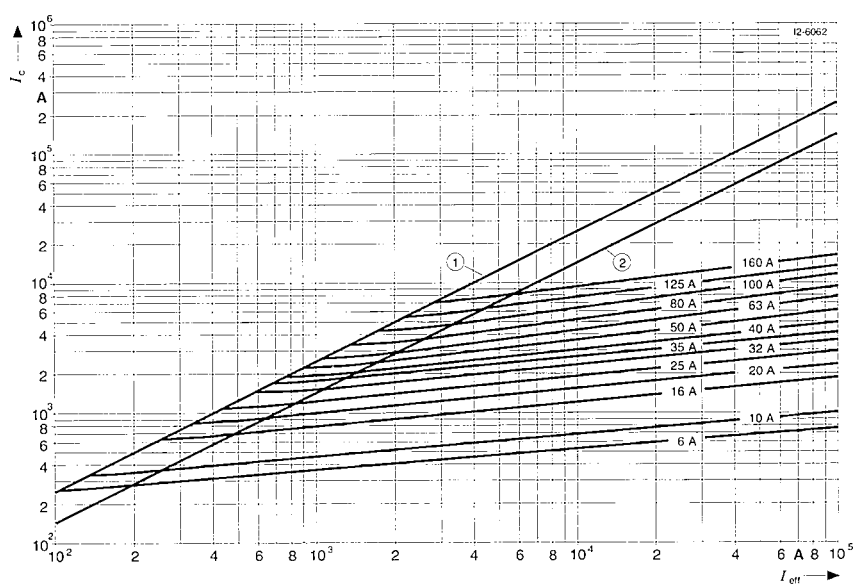
额定电压 / Rated voltage
AC 500V / DC 440V

额定电流 / Rated current
6 - 160A

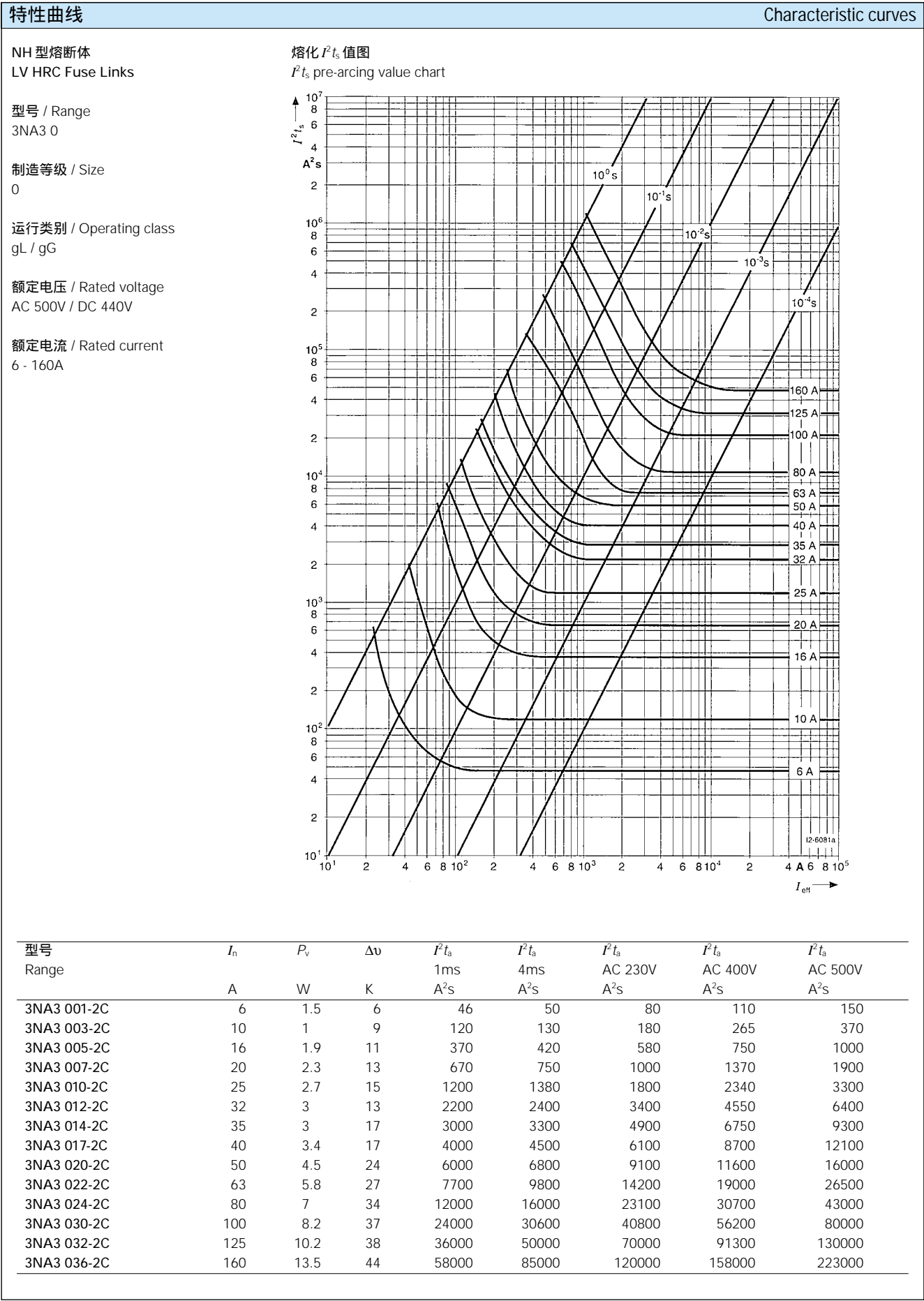
时间 - 电流特性图
Time-current characteristic chart



极限电流图
Peak let-through current chart



特性曲线
Characteristic Curves



特性曲线

Characteristic curves

NH 型熔断体
LV HRC Fuse Links

型号 / Range
3NA3 1

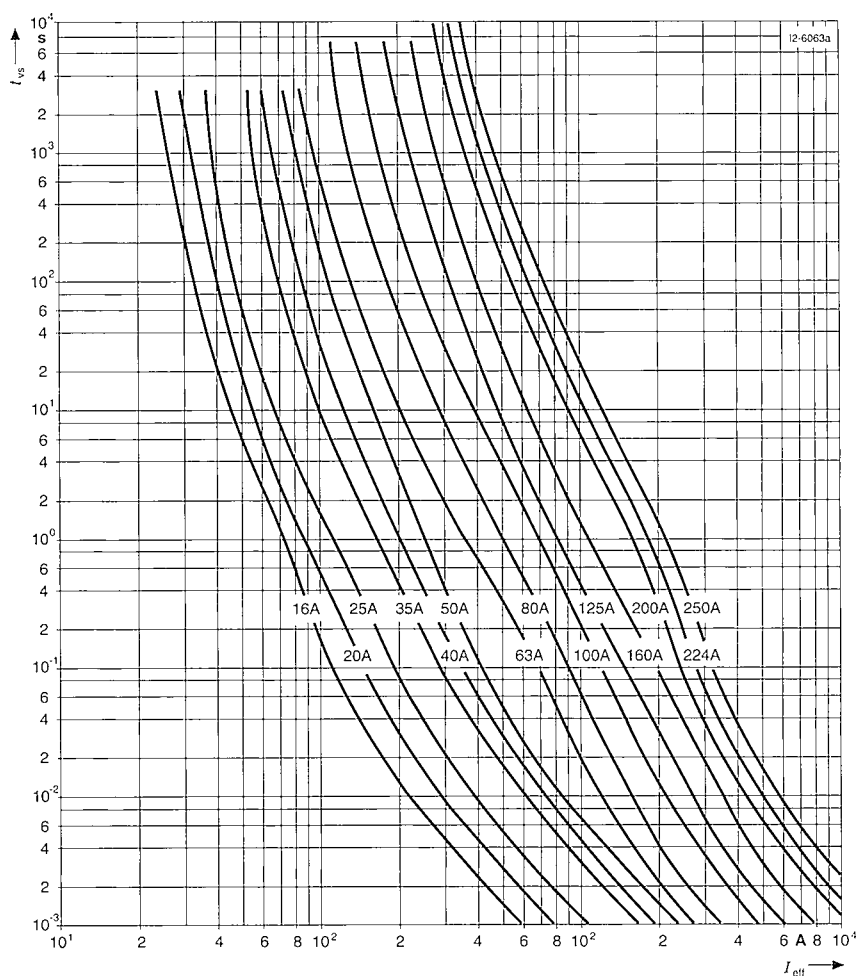
制造等级 / Size
1

运行类别 / Operating class
gL / gG

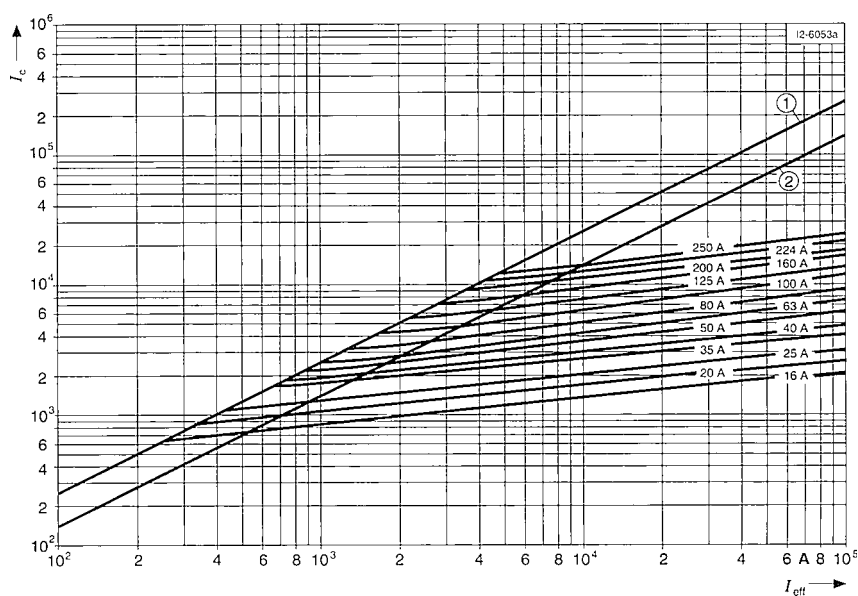
额定电压 / Rated voltage
AC 500V / DC 440V

额定电流 / Rated current
16 - 250A

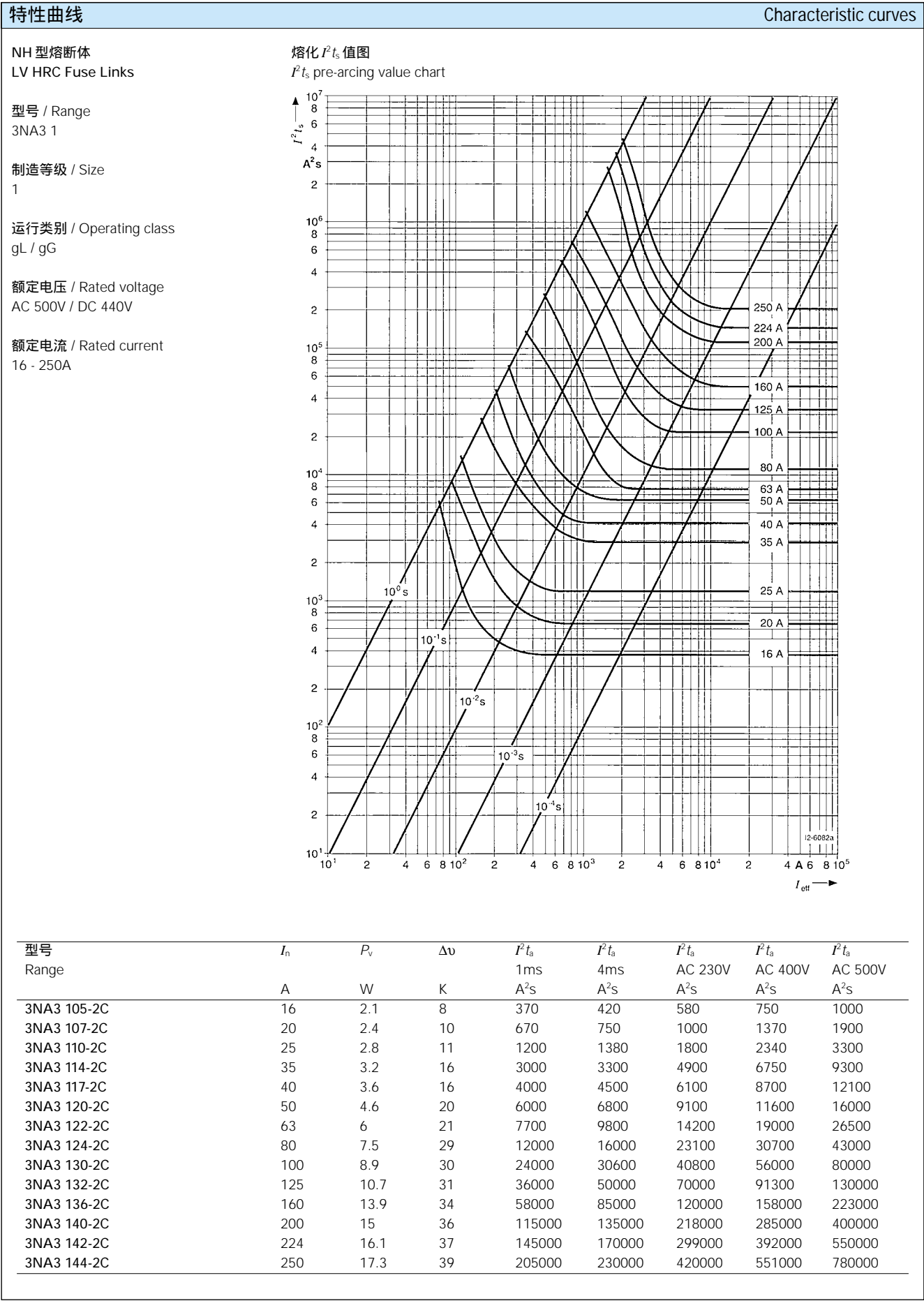
时间 - 电流特性图
Time-current characteristic chart



极限电流图
Peak let-through current chart



特性曲线
Characteristic Curves



特性曲线

Characteristic curves

NH 型熔断体
LV HRC Fuse Links

型号 / Range
3NA3 2

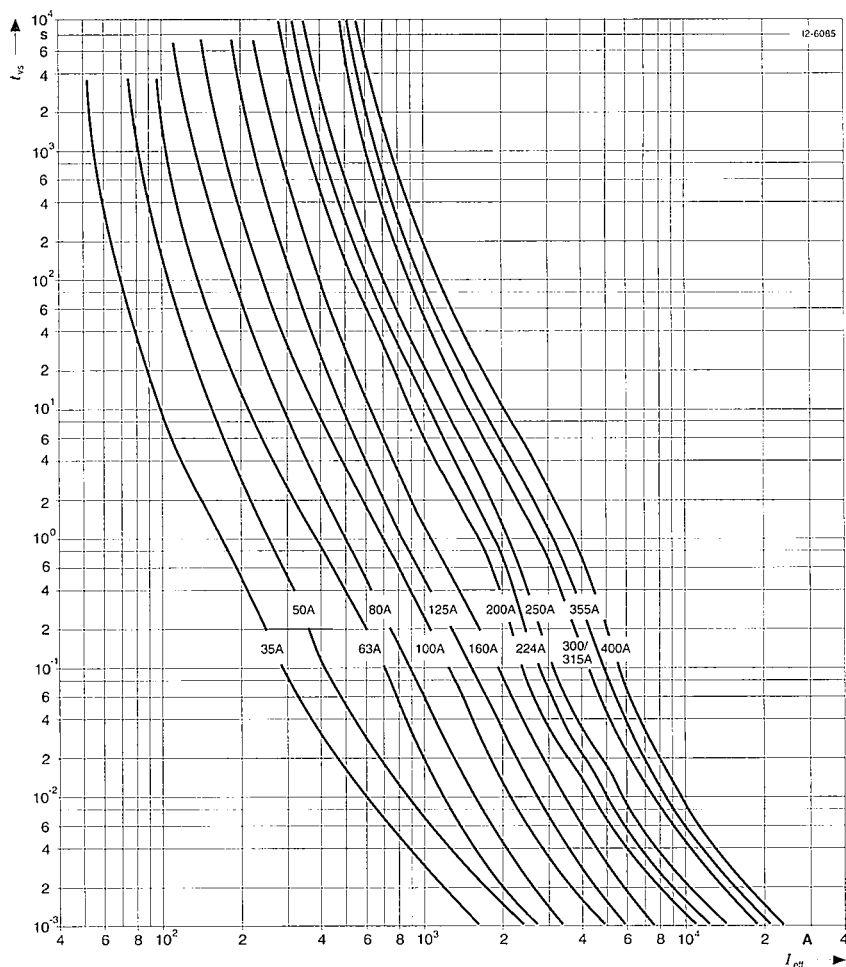
制造等级 / Size
2

运行类别 / Operating class
gL/gG

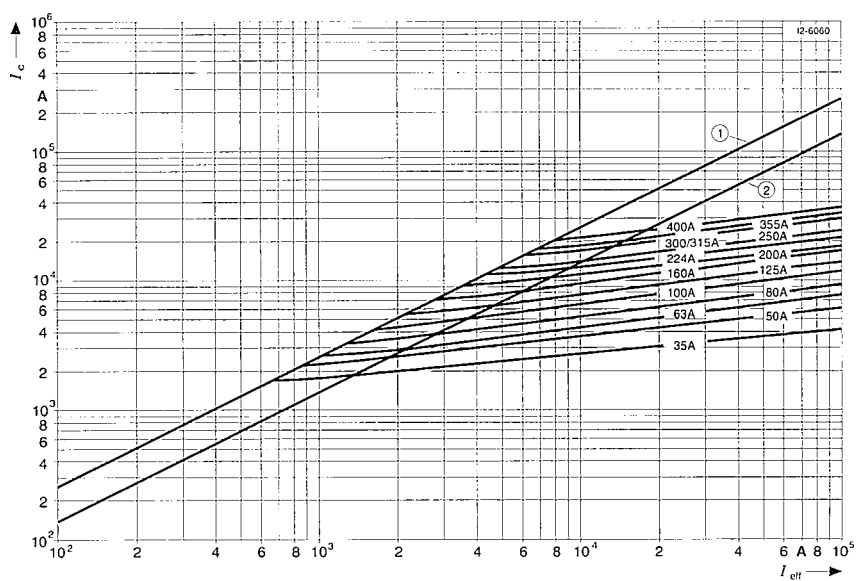
额定电压 / Rated voltage
AC 500V / DC 440V

额定电流 / Rated current
50 - 400A

时间 - 电流特性图
Time-current characteristic chart



极限电流图
Peak let-through current chart



特性曲线

Characteristic curves

NH 型熔断体
LV HRC Fuse Links

型号 / Range
3NA3 2

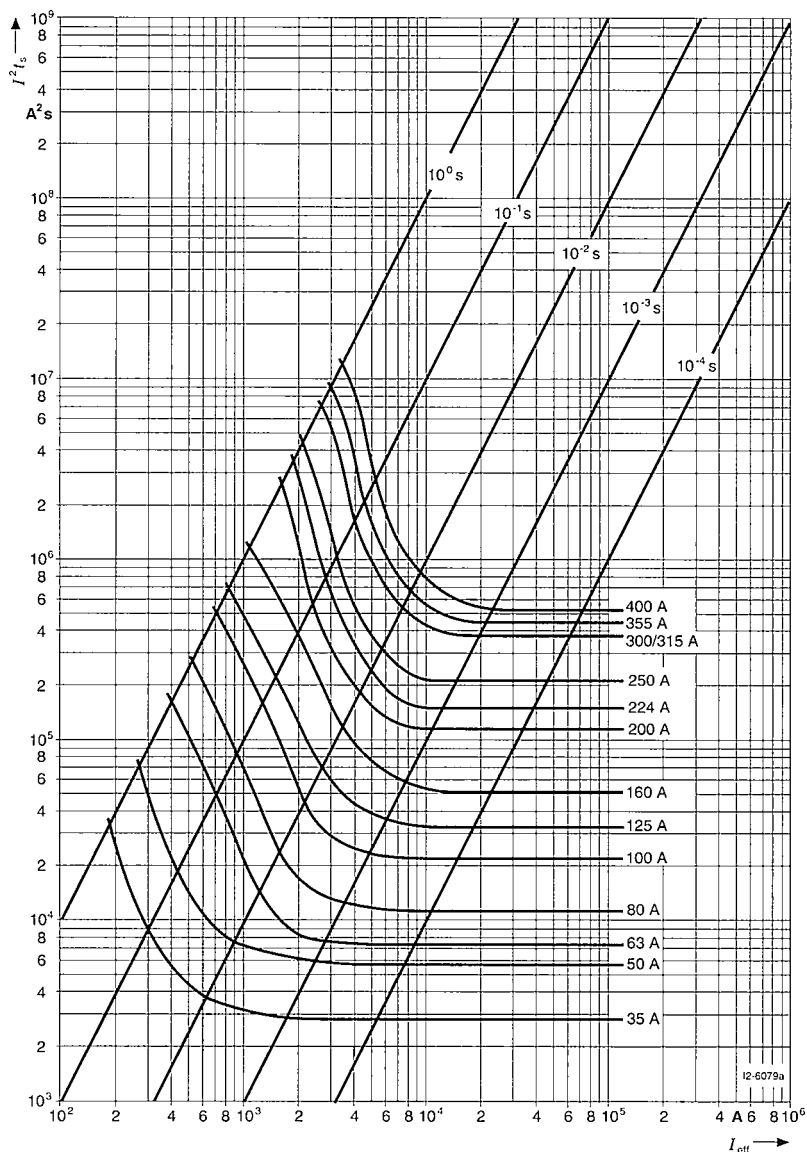
制造等级 / Size
2

运行类别 / Operating class
qL/qG

额定电压 / Rated voltage
AC 500V / DC 440V

额定电流 / Rated current
35 - 400A

熔化 $I^2 t_s$ 值图
 $I^2 t_s$ pre-arcing value chart



型号	I_n	P_v	Δu	$I^2 t_a$	$I^2 t_a$	$I^2 t_a$	$I^2 t_a$	$I^2 t_a$
Range				1ms	4ms	AC 230V	AC 400V	AC 500V
	A	W	K	A ² s	A ² s	A ² s	A ² s	A ² s
3NA3 220-2C	50	4.7	16	6000	6800	9100	11600	16000
3NA3 222-2C	63	5.9	16	7700	9800	14200	19000	26500
3NA3 224-2C	80	6.8	21	12000	16000	23100	30700	43000
3NA3 230-2C	100	7.4	22	24000	30600	40800	56200	80000
3NA3 232-2C	125	9.8	27	36000	50000	70000	91300	130000
3NA3 236-2C	160	12.6	34	58000	85000	120000	158000	223000
3NA3 240-2C	200	14.9	33	115000	135000	218000	285000	400000
3NA3 242-2C	224	15.4	31	145000	170000	299000	392000	550000
3NA3 244-2C	250	17.9	38	205000	230000	420000	551000	780000
3NA3 250-2C	300	19	34	361000	433000	670000	901000	1275000
3NA3 252-2C	315	21.4	35	361000	433000	670000	901000	1275000
3NA3 254-2C	355	26	49	441000	538000	800000	1060000	1500000
3NA3 260-2C	400	27.5	52	529000	676000	1155000	1515000	2150000

特性曲线

Characteristic curves

NH 型熔断体
LV HRC Fuse Links

型号 / Range
3NA3 3

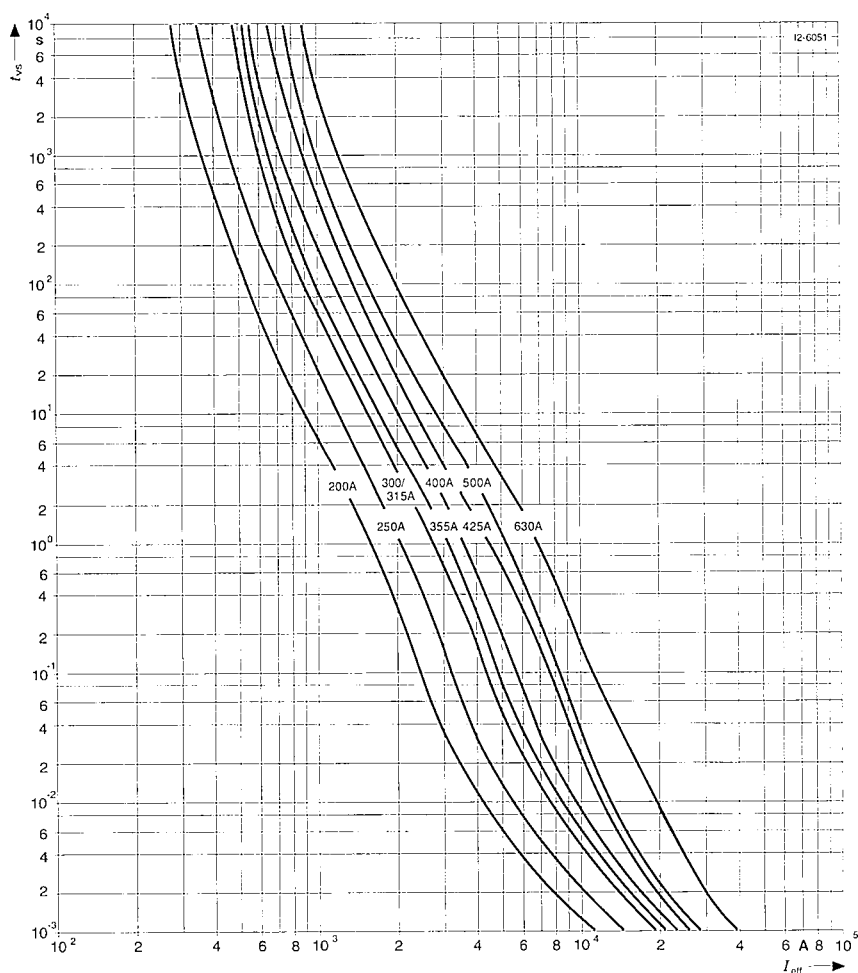
制造等级 / Size
3

运行类别 / Operating class
gL / gG

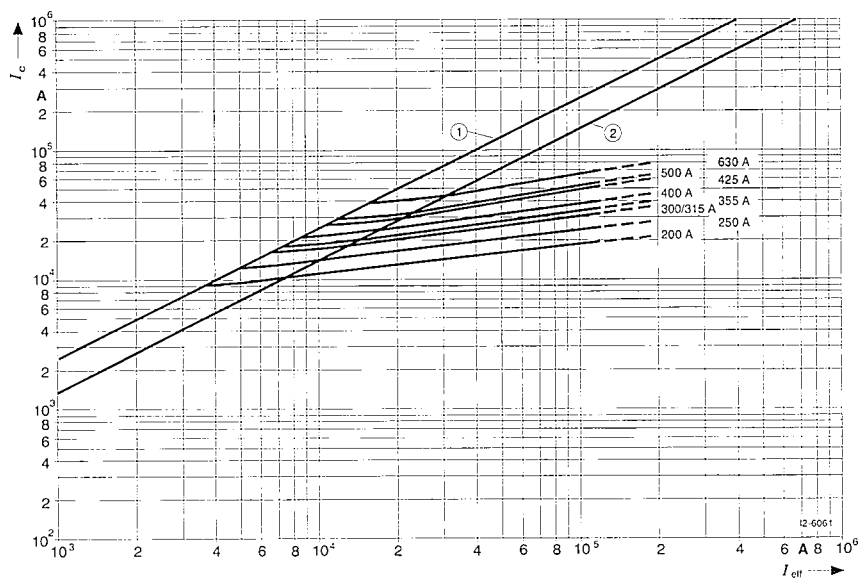
额定电压 / Rated voltage
AC 500V / DC 440V

额定电流 / Rated current
200 - 630A

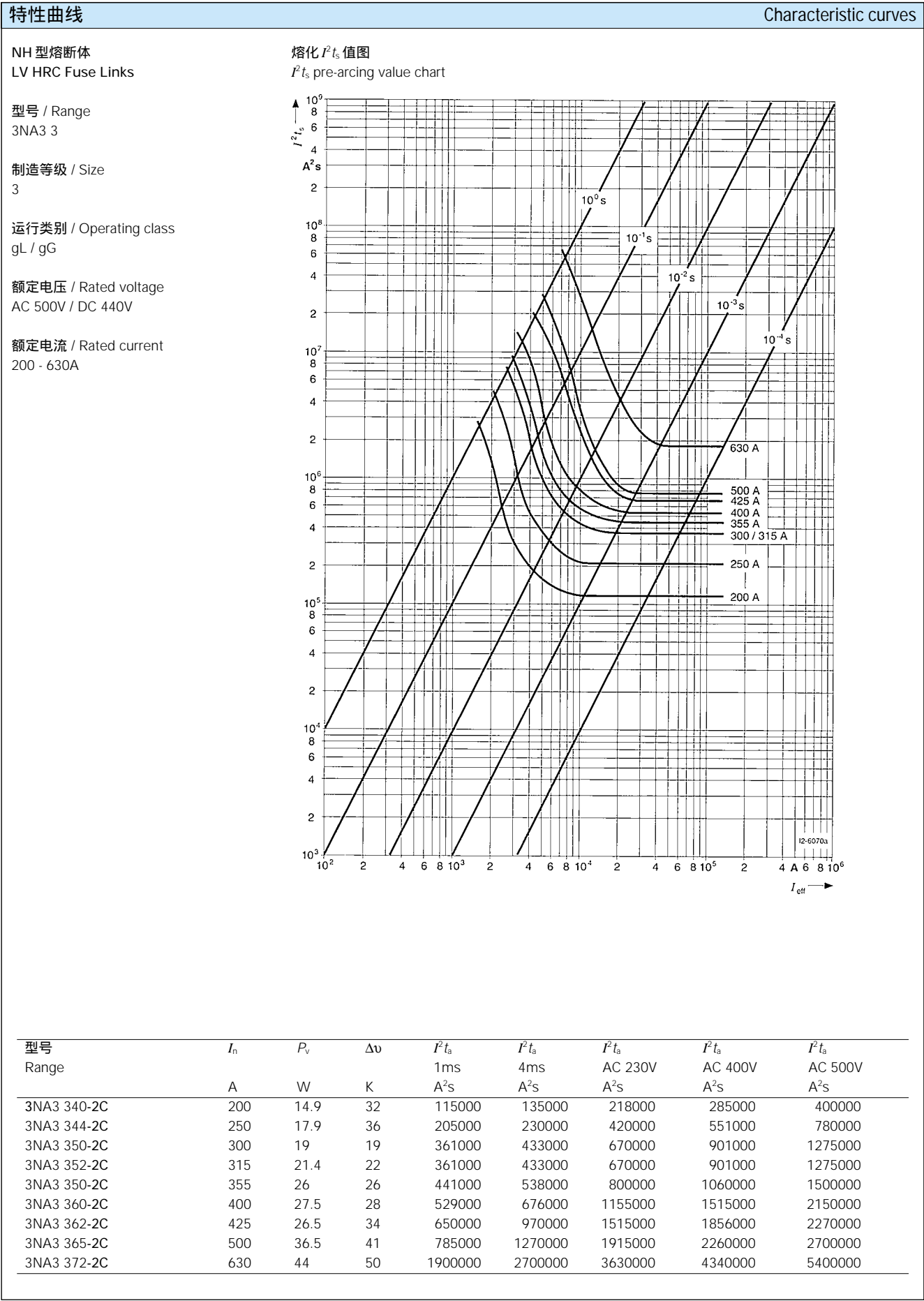
时间 - 电流特性图
Time-current characteristic chart



极限电流图
Peak let-through current chart



特性曲线
Characteristic Curves



特性曲线

Characteristic curves

NH 型熔断体
LV HRC Fuse Links

型号 / Range
3NA3 4

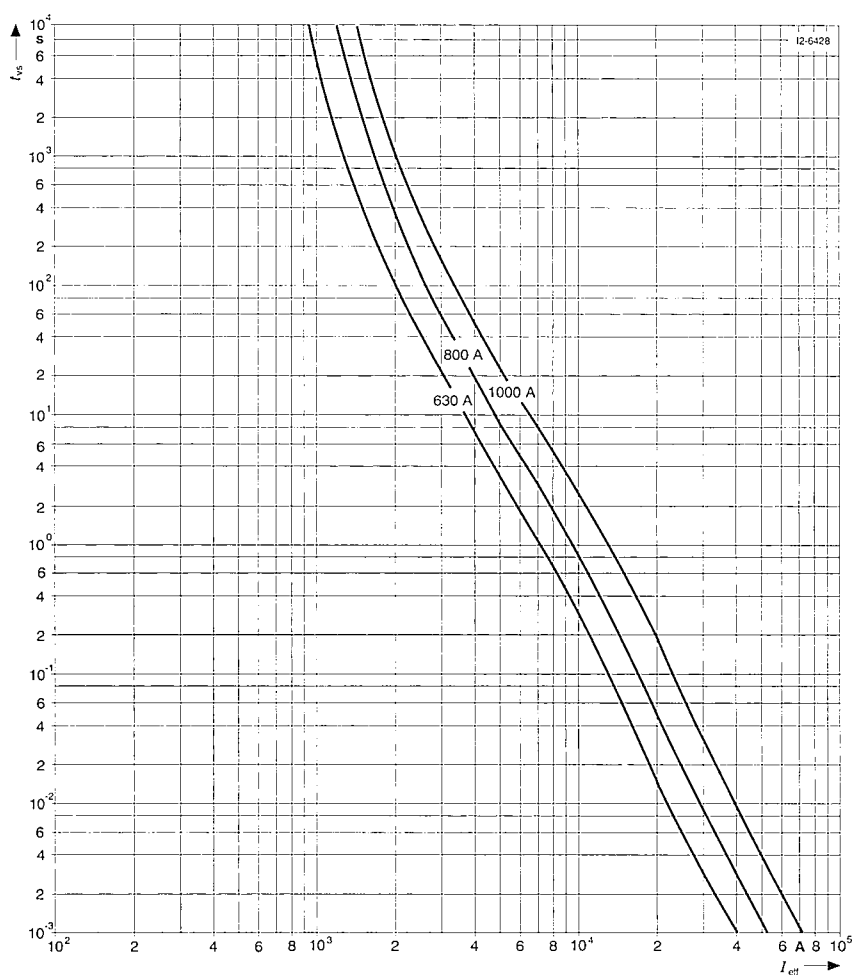
制造等级 / Size
4 (IEC)

运行类别 / Operating class
gL / gG

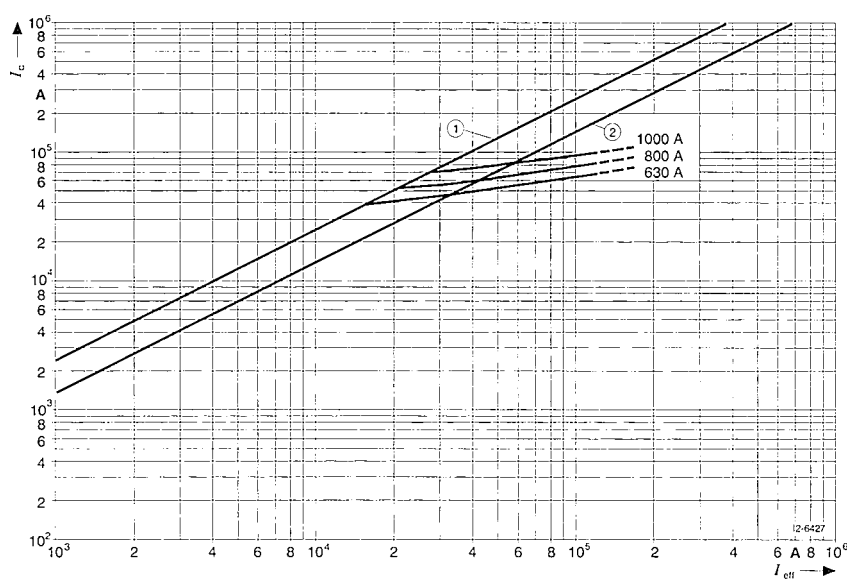
额定电压 / Rated voltage
AC 500V / DC 440V

额定电流 / Rated current
630 - 1000A

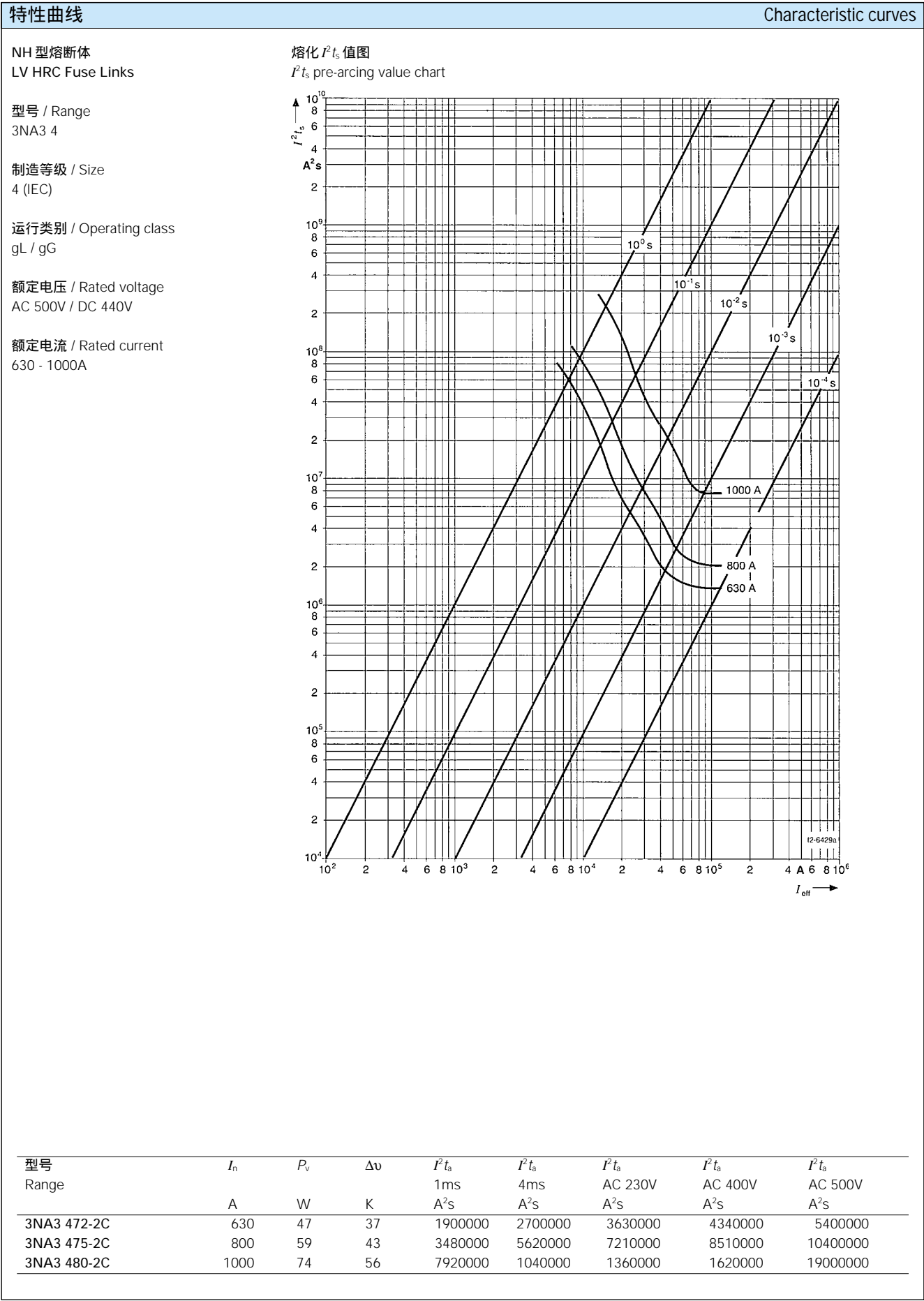
时间 - 电流特性图
Time-current characteristic chart



极限电流图
Peak let-through current chart



特性曲线
Characteristic Curves



特性曲线

Characteristic curves

NH 型熔断体
LV HRC Fuse Links

型号 / Range
3NA3 6

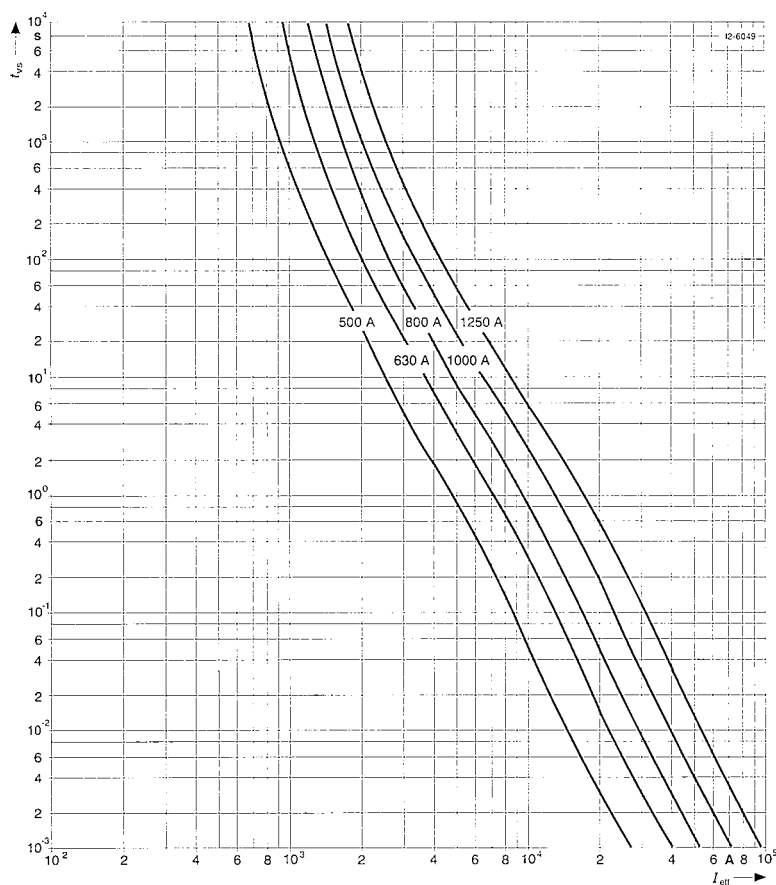
制造等级 / Size
4a

运行类别 / Operating class
gL / gG

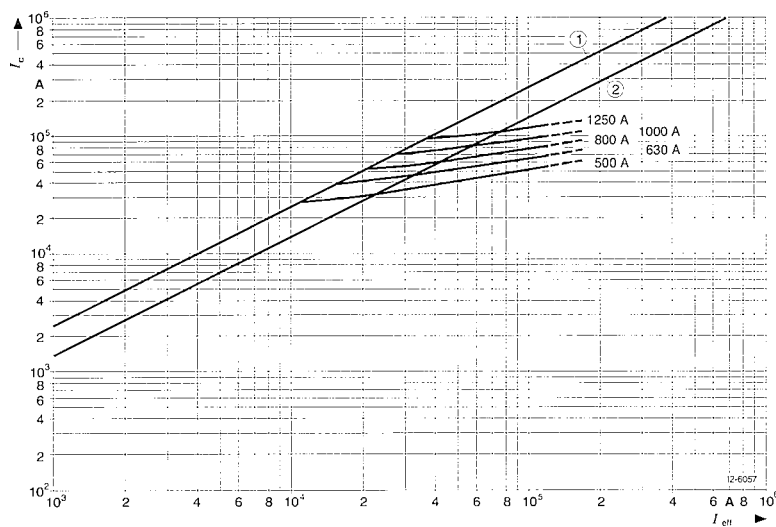
额定电压 / Rated voltage
AC 500V / DC 440V

额定电流 / Rated current
500 - 1250A

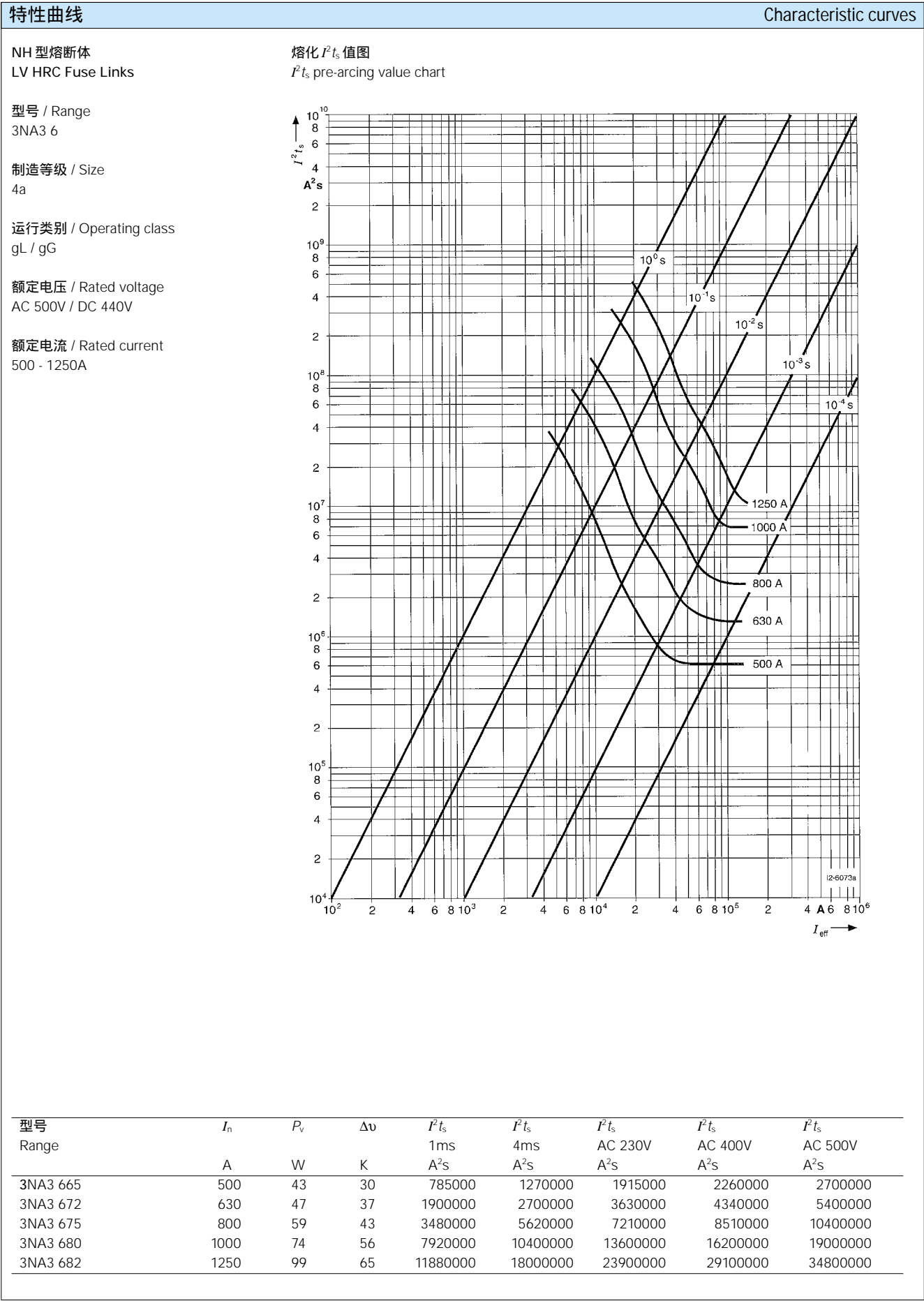
时间 - 电流特性图
Time-current characteristic chart



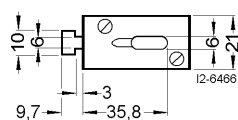
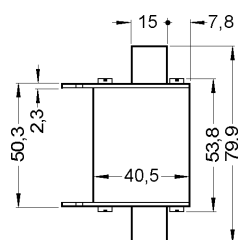
极限电流图
Peak let-through current chart



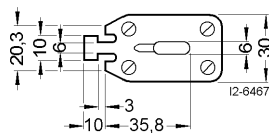
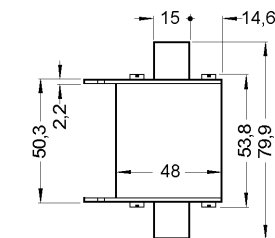
特性曲线
Characteristic Curves



AC 500V, gL/gG
制造等级 00
Size 00

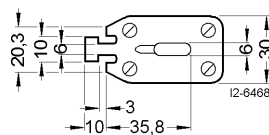
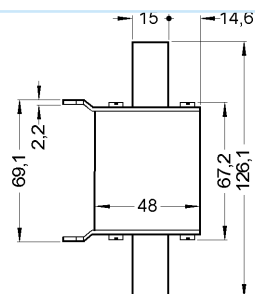


3NA3 8..
2 to 100 A



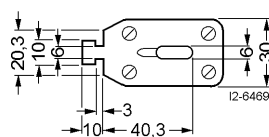
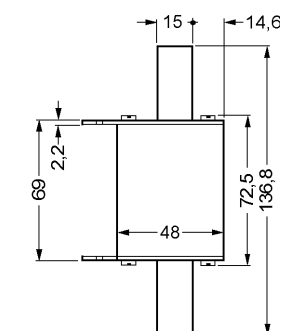
3NA3 8..
125/160 A

制造等级 0
Size 0

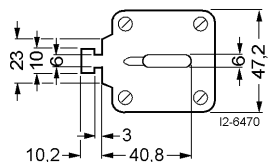
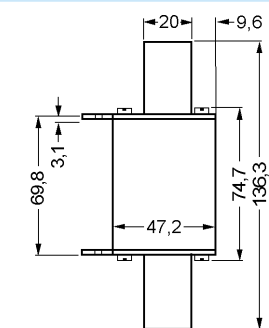


3NA3 0..
6 to 160 A

制造等级 1
Size 1



3NA3 1..
16 to 160 A



3NA3 1..
200 to 250 A

外形尺寸 Dimension Drawing

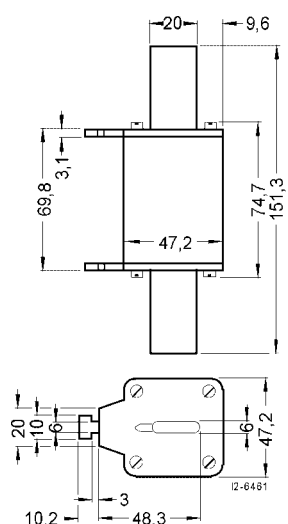
NH 熔断器

HRC NH Fuses

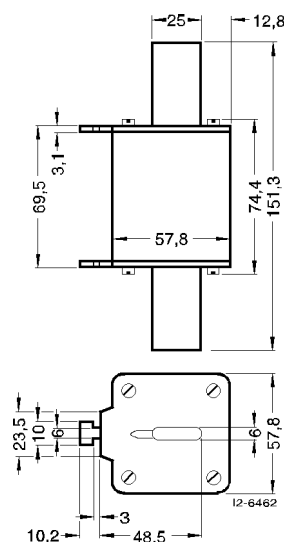
AC 500V, gL/gG

制造等级 2

Size 2



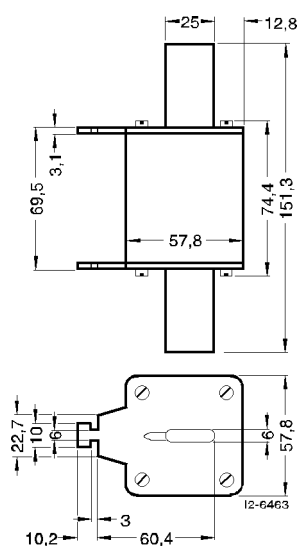
3NA3 2..
35 to 250 A



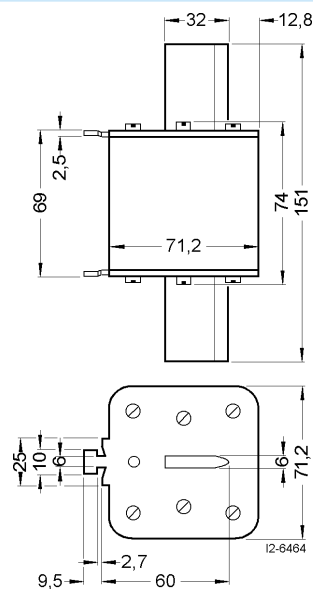
3NA3 2..
300 to 400 A

制造等级 3

Size 3

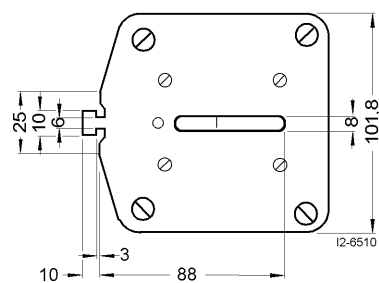
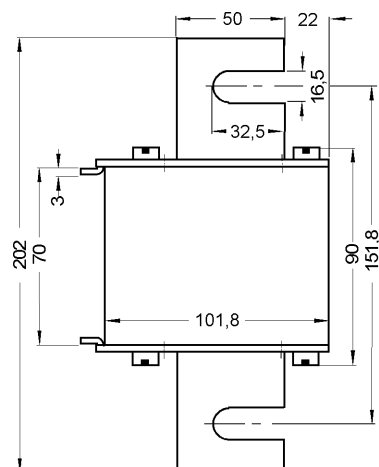


3NA3 3..
200 to 400 A



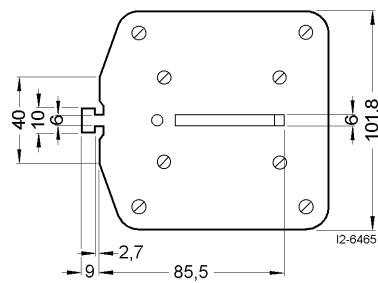
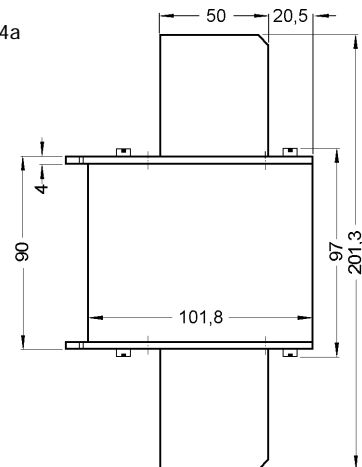
3NA3 3..
425 to 630 A

AC 500V, gL/gG
制造等级 4
Size 4



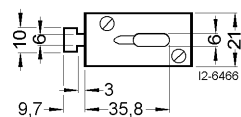
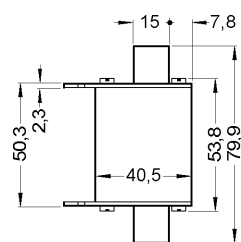
3NA3 4..
630 to 1000 A

制造等级 4a
Size 4a

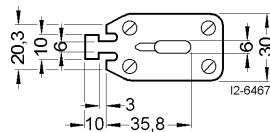
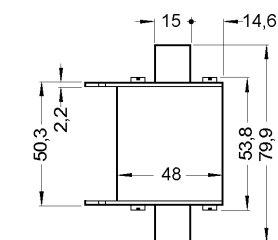


3NA3 6..
500 to 1250 A

AC 690V, gL/gG
制造等级 00
Size 00



3NA3 8..-6
2 to 35 A



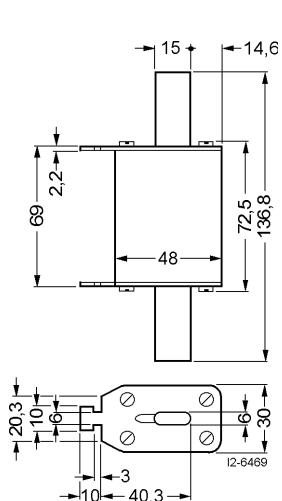
3NA3 8..-6
40 to 100 A

外形尺寸 Dimension Drawing

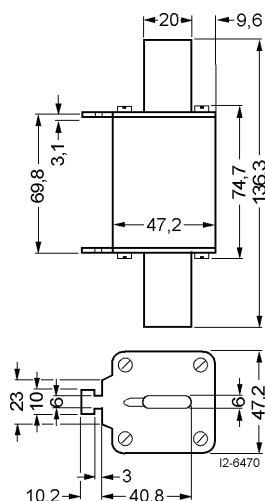
NH 熔断器

HRC NH Fuses

制造等级 1
Size 1

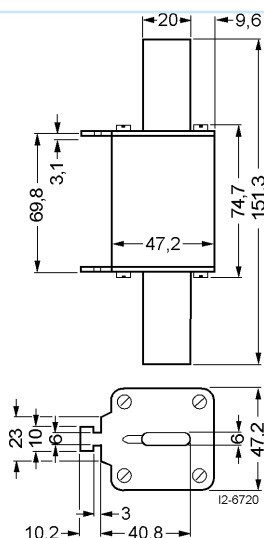


3NA3 1.. -6
50 to 160 A

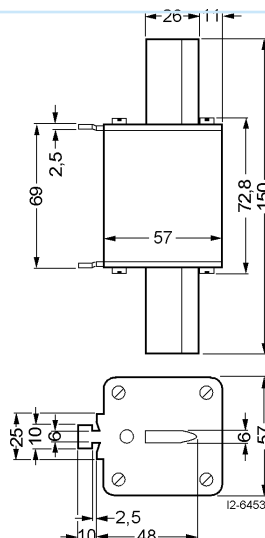


3NA3 140-6
200 A

制造等级 2
Size 2

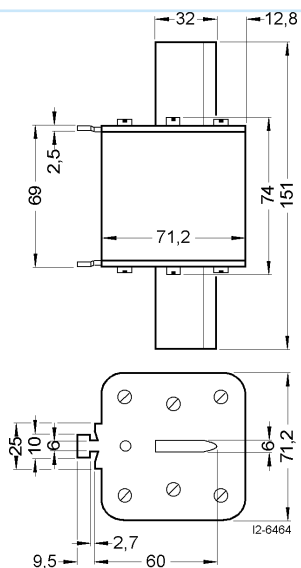


3NA3 2.. -6
80 to 200 A



3NA3 2.. -6
250 to 315 A

制造等级 3
Size 3

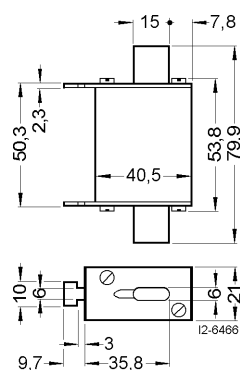


3NA3 3.. -6
355 to 500 A

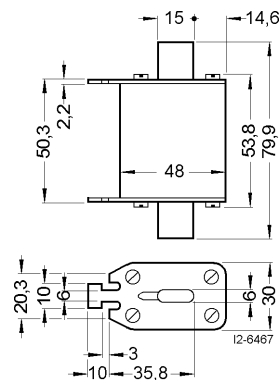
NH 熔断器

HRC NH Fuses NH

AC 690V, aM
制造等级 00
Size 00

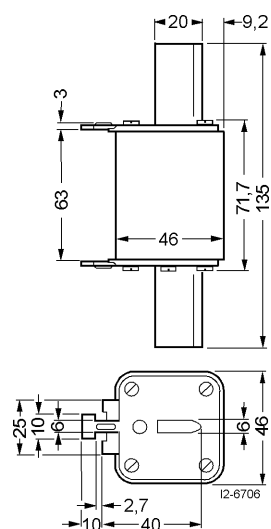


3ND1 8..
6 to 80 A



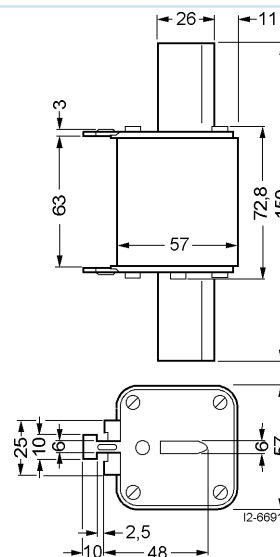
3ND1 8..
100/160 A

制造等级 1
Size 1



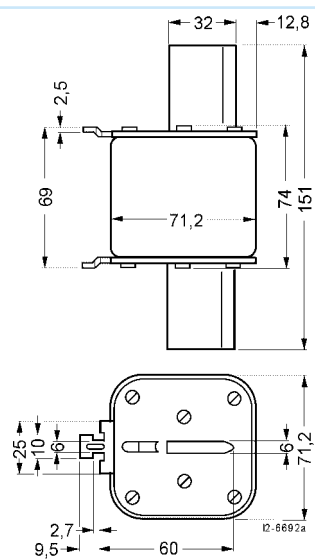
3ND1 1..
63 to 250 A

制造等级 2
Size 2



3ND1 2..
125 to 400 A

制造等级 3
Size 3



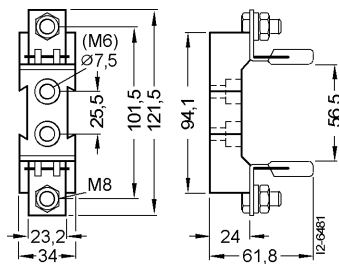
3ND1 3..
315 to 630 A

外形尺寸 Dimension Drawing

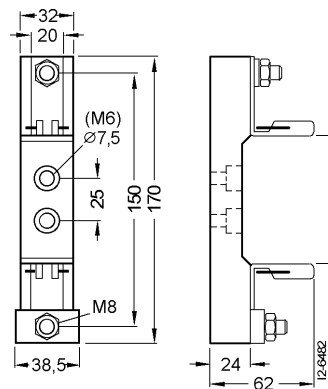
NH 熔断器底座

HRC NH Fuses bases

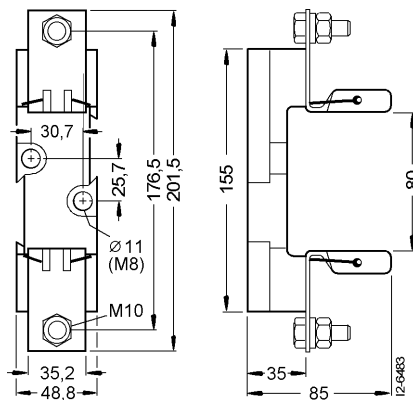
单级
Single-pole



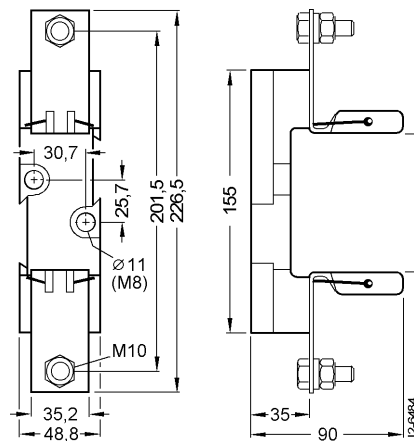
制造等级 00, Size 00/160 A
3NH3 03.



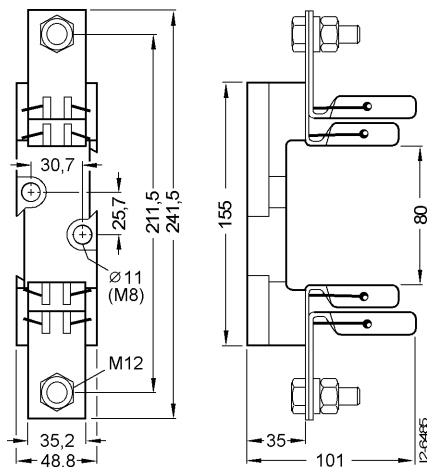
制造等级 0, Size 0/160 A
3NH3 12.



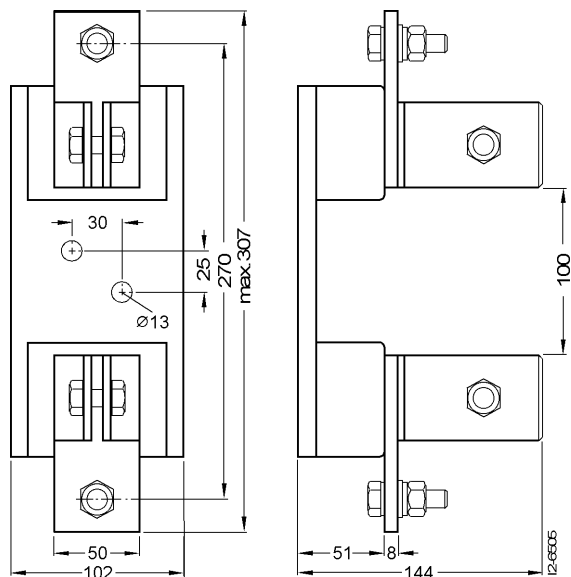
制造等级 1, Size 1/250 A
3NH3 230, 3NH3 220



制造等级 2, Size 2/400 A
3NH3 330, 3NH3 320



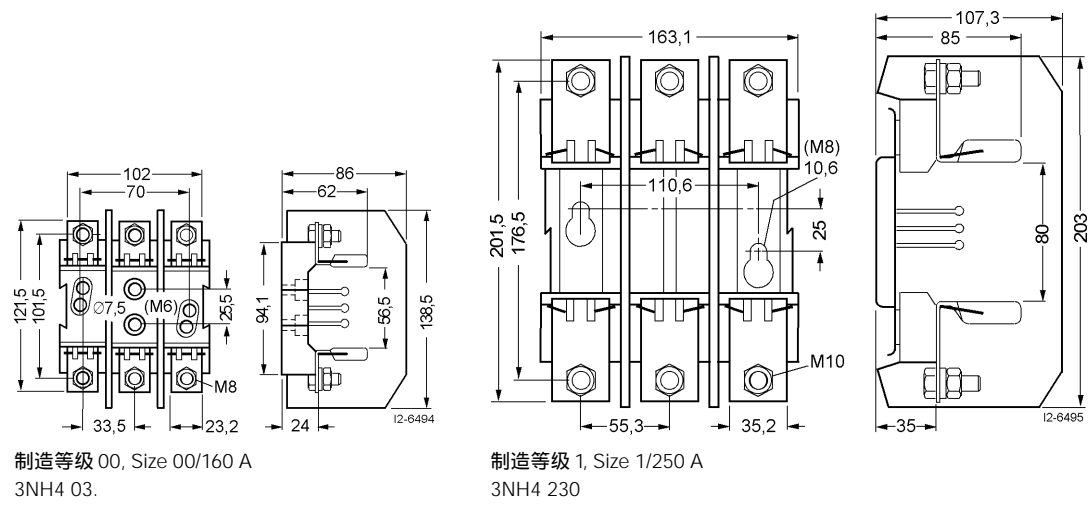
制造等级 3, Size 3/630 A
3NH3 4..



制造等级 4, Size 4/1000 A
3NH3 530

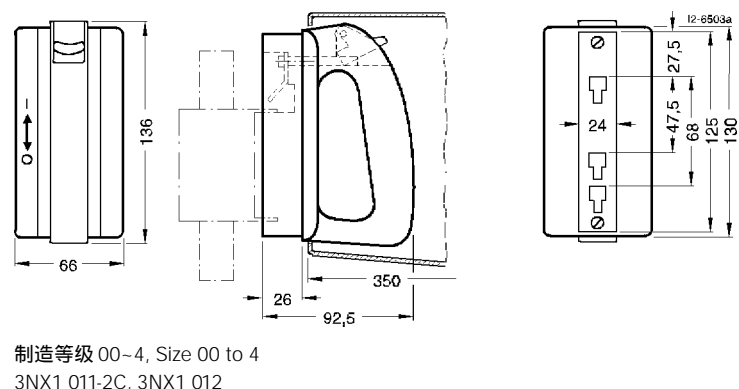
NH 熔断器底座 HRC NH Fuses bases

3 级
Triple-pole

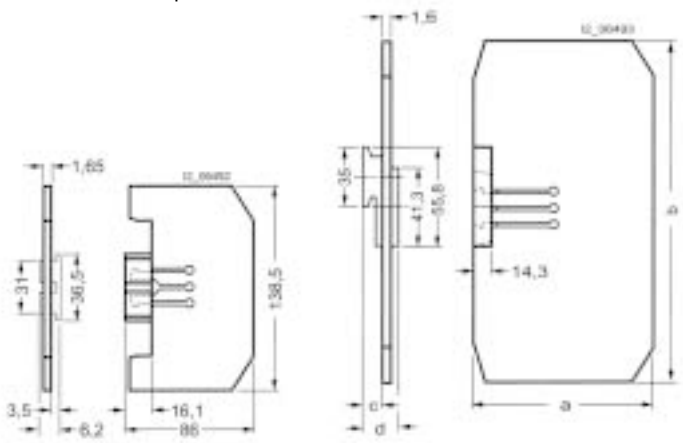


NH 刀型熔断器底座附件 Accessories for HRC Knife-Fuses NH bases

熔断器插拔手柄
Fuse puller



3NX2 0 NH 熔断器隔相板
3NX2 0 LV HRC phase and end barriers

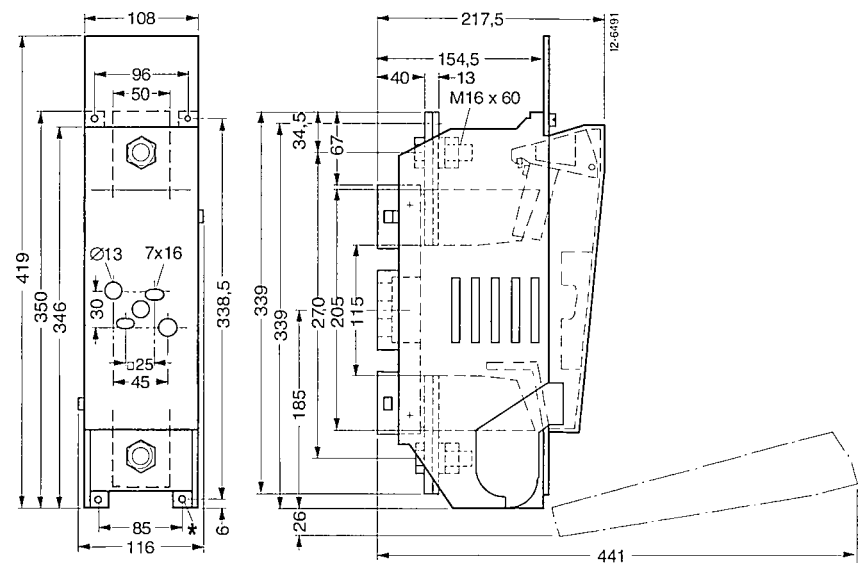


制造等级 / Size	型号 / Type	尺寸 / Dimension			
		a	b	c	d
0	3NX2 030	87.6	178.5	7.7	12.3
1	3NX2 024	107.3	202.5	7.7	12.3
2	3NX2 025	115.3	227.5	14.2	25.1
3	3NX2 026	129.8	242	20.2	37.2

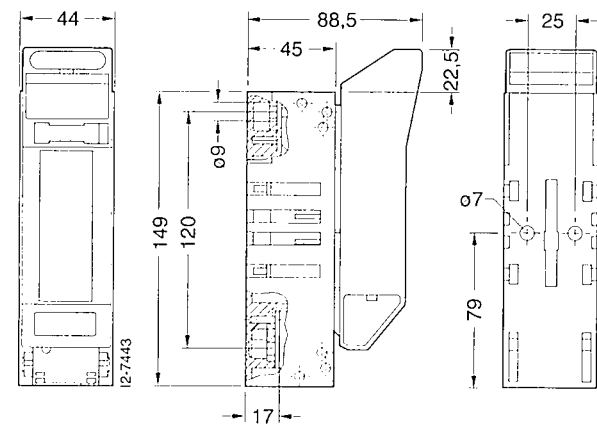
外形尺寸
Dimension Drawing

尺寸图 Dimension drawings

NH 型熔断器隔离开关 / NH-fuse-disconnector
NH 型熔断器隔离开关 3NH7 型, NH-fuse-Disconnector 3NH7
单极 / 1-pole
制造等级 4a/1250A / Size 4a/1250A
3NH7 5

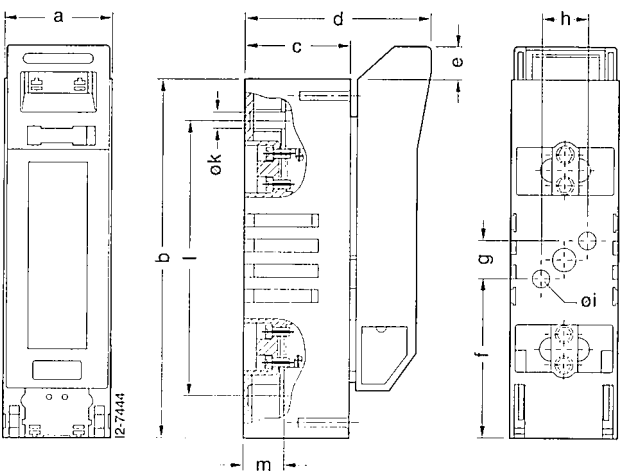


制造等级 00/125A / Size 00/125A



制造等级 1/250A / Size 1/125A

制造等级 3/630A / Size 3/125A

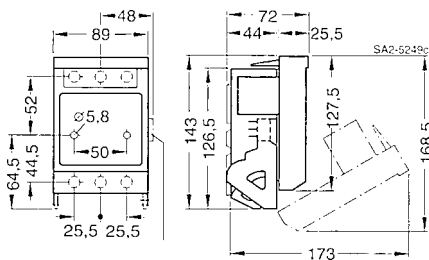


NH 型熔断器隔离开关 NH-fuse-disconnector		尺寸 / Dimension												
制造等级 / Size	型号 / Type	a	b	c	d	e	f	g	h	i	k	l	m	
1	3NH7 230	68	230	68	123.5	23	102.5	25	30	10.5	10.5	177	25	
3	3NH7 330	90	270	96	153.5	15.5	122.5	25	30	10.5	10.5	220.5	30.5	

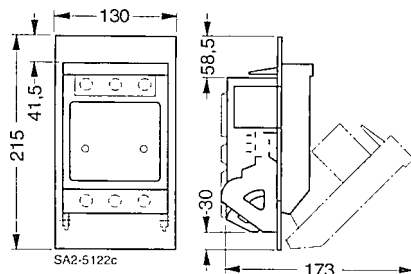
尺寸图

NH 型熔断器隔离开关 3NP
NH-fuse-loadbreaker 3NP

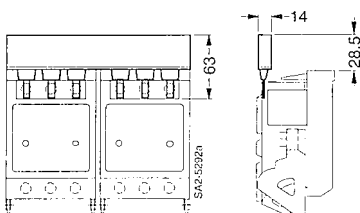
3NP35 30, 3NP40 10



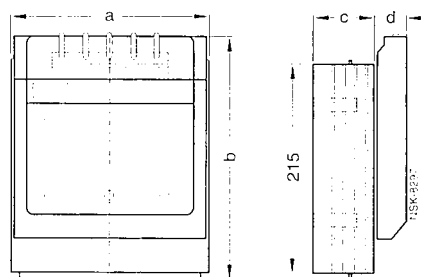
3NP35 30、3NP40 10 带绝缘材料罩 3NY1 251/3NY1 252
3NP35 30、3NP40 10 with isolationshield 3NY1 251/3NY1 252



3NP35 30 带三相汇流排 3NY1 237
3NP35 30 with three phase busbar 3NY1 237



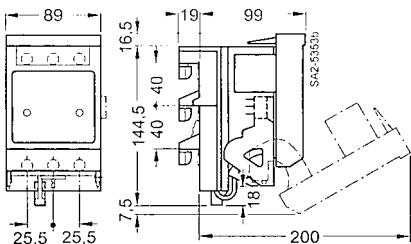
3NP42 70
3NP43 70
3NP44 70



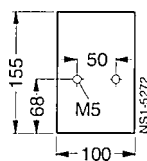
用于转接 40mm 汇流排系统 / For adaption with 40mm-busbarsystem

3NP35 35-1

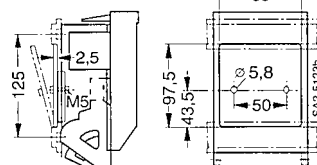
上端子 / connection from top



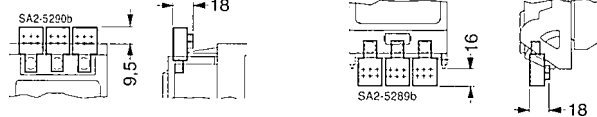
安装口, 用于 3NP35, 3NP40
built-in opening for 3NP35, 3NP40



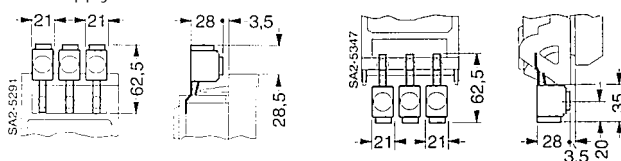
3NP35 30、3NP40 10 带快速板
固定板 3NY1 995
3NP35, 3NP40 10 with rapid-
mounting-board 3NY1 995



3NP35 30、3NP40 10 带三路接线端子 3NY1 235
3NP35 30、3NP40 10 with three special terminal 3NY1 235



带输入接线端子 3NY1 236
with supply terminal 3NY1 236



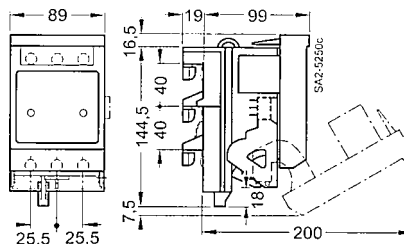
3NP40 70



型号 / Type	尺寸 / Dimension			
	a	b	c	d
3NP42 70	184	243	66	45.5
3NP43 70	210	288	80	48
3NP44 70	256	300	94.5	48

3NP35 35-1

下端子 / connection from bottom



外形尺寸 Dimension Drawing

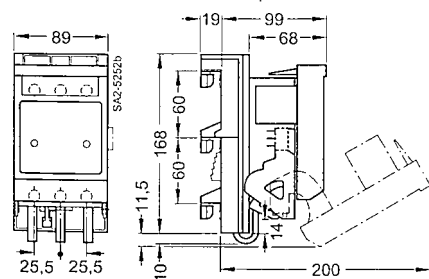
尺寸图

Dimension drawings

NH 型熔断器隔离开关 3NP / NH-fuse-loadbreaker 3NP
用于转接 40mm 汇流排系统 / For adaption with 40mm-busbarsystem

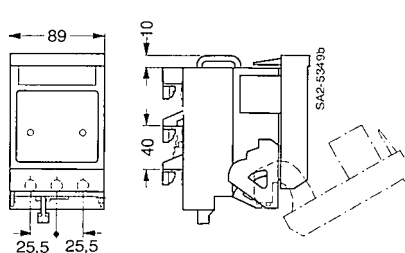
3NP35 35-0

上端子 / Connection from top

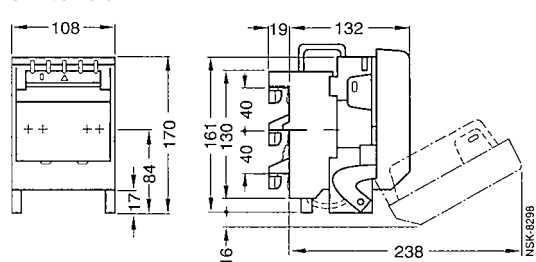


3NP35-0

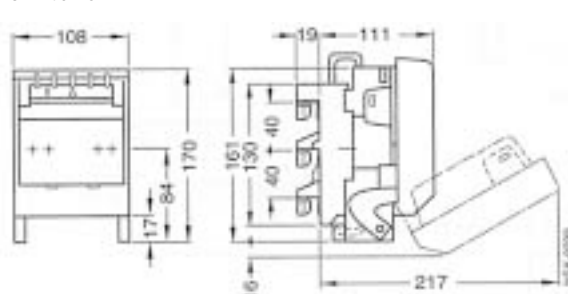
下端子 / Connection from bottom



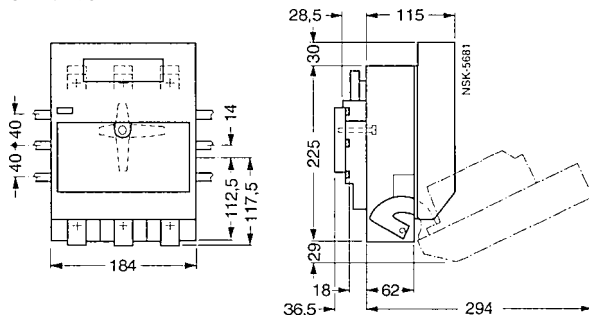
3NP40 75-0



3NP40 75-1

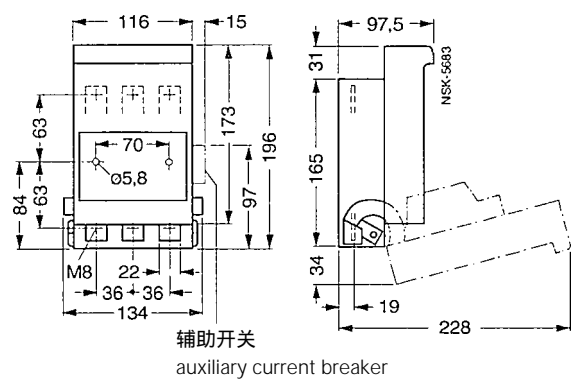


3NP42 95-1

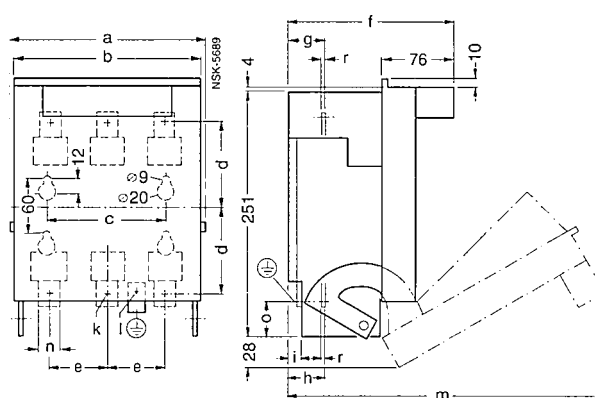


快速接通 / with rapid actiration

3NP50 60



3NP5 60 至 630A / 3NP5 60 to 630A
用于安装 / for mounting

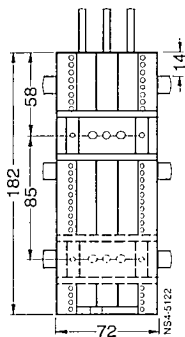


型号 / Type	尺寸 / Dimenasion														
	a	b	c	d	e	f	g	h	i	k	l	m	n	o	r
3NH 型 52 60	207	202	130	93	62	176	38	41	11.5	M10	M8	336	25	32	3.6
3NH 型 53 60	231	226	130	106	70	192	39	39	11.5	M10	M10	352	25	25	4.4
3NH 型 54 60	276	271	200	111	85	207	40.5	40.5	11.5	M10	M10	367	30	25	6

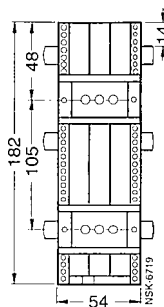
尺寸图

汇流排转接器(延展) / Busbar adapter (Continuation)

8US12 11-5NE00
8US12 71-2NA20
8US12 71-6MA20



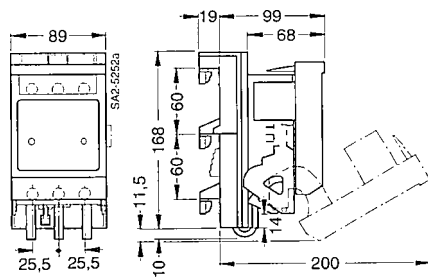
8US12 60-6AA00



熔断器——隔离开关 / Fuse switch-disconnectors
汇流排间隙 60mm / Busbar clearance 60mm

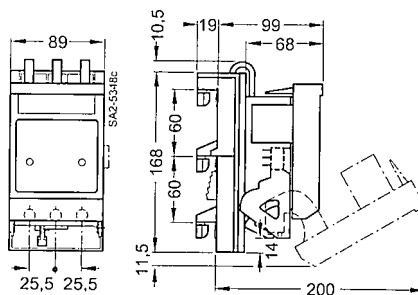
3NP35 36

从上部连接 / connection from top

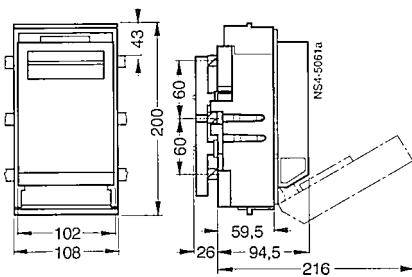


3NP35 36

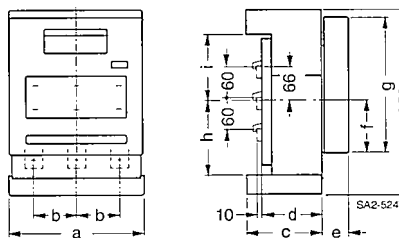
从下部连接 / connection from bottom



3NP30 76



3NP3.



型号 / Type	a	b	c	d	e	f	g	h	i
3NP32 76	185	57	115	82	45.5	84	220	115	105
3NH33 76	210	65	142	109	48	92	249	131	124
3NH34 76	256	81	142	109	48	98.5	259	139.5	127.5

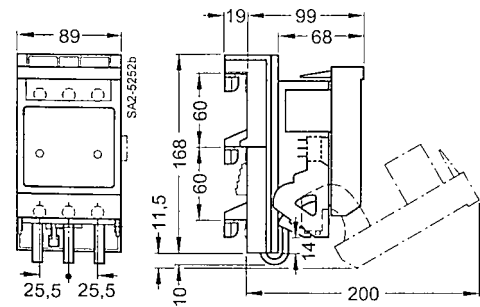
外形尺寸
Dimension Drawing

熔断器隔离开关 3NP3 / Fuse-Loadbreaker 3NP3

汇流排间距 60mm / Space between the bus 60mm

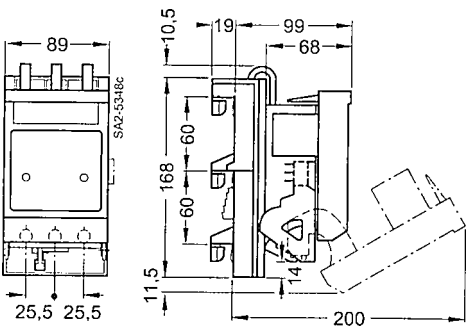
3NP35 36

上端子 / connection from top

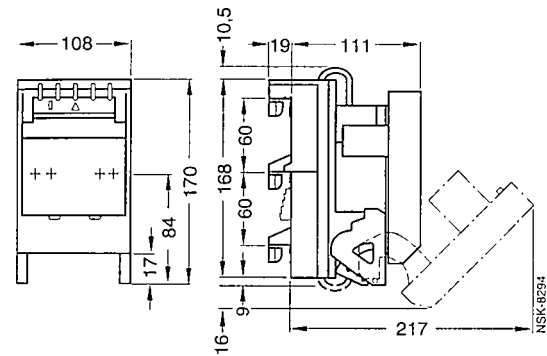


3NP35 36

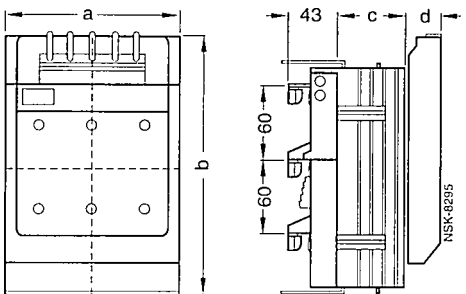
下端子 / connection from bottom



3NP40 76

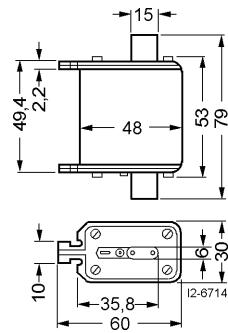


3NP4. 76

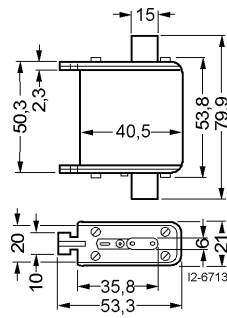


型号 / Type	尺寸 / Dimension			
	a	b	c	d
3NP42 76	184	243	66	45.5
3NP43 76	210	288	80	48
3NP44 76	256	300	94.5	48

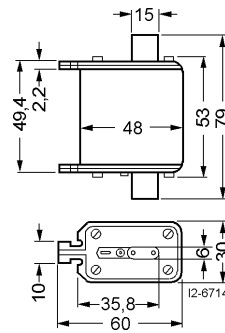
制造等级 00
Size 00



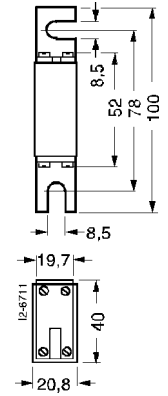
3NE8 0..-0
25 to 160 A



3NE1 8..-0
16 A to 80 A

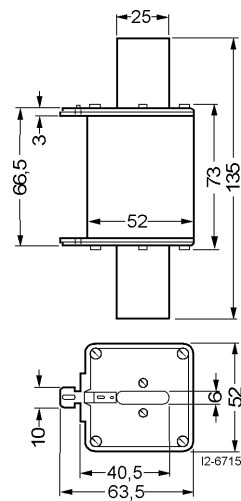


3NE1 0..-0
100/125 A



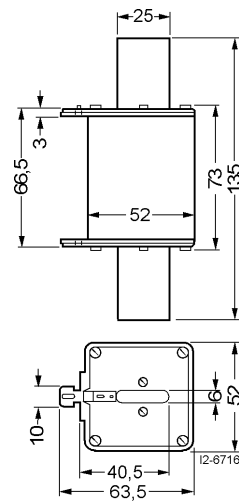
3NE8 7..
20 to 315 A

制造等级 1
Size 1



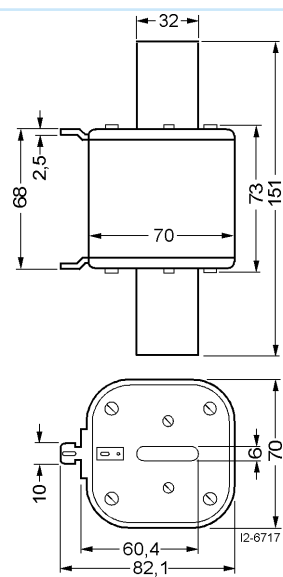
3NE1 2..-0
160 to 315 A

制造等级 2
Size 2



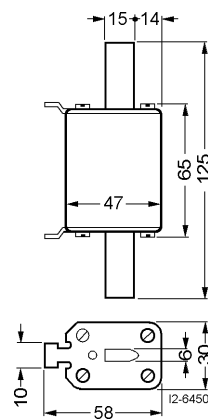
3NE1 3..-0
350 to 500 A

制造等级 3
Size 3



3NE1 4..-0
560/630 A

制造等级 0
Size 0

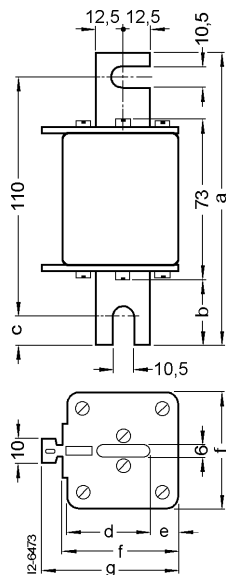


3NE4 1..
32 to 160 A

外形尺寸
Dimension Drawing

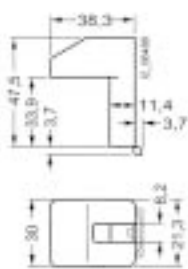
SITOR 熔断器SITOR Fuses

制造等级 1, 2
Size 1, 2

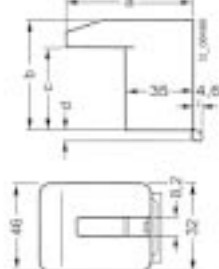


型号 / Type	a	b	c	d	e	f	g
3NE3 2..	135	31	12.5	38.5	13.5	54	63.5
3NE3 3..	149	38	19.5	45	15	62.5	72

3NX3 10 压接式塑料保护罩
3NX3 10 molded plastic covers for LV HRC fuse bases



制造等级 00, Size 00



制造等级 1, 2, 3, Size 1, 2, 3

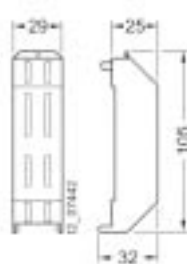
制造等级 / Size	型号 / Type	尺寸 / Dimension			
		a	b	c	d
1	3NX3 106	61.4	57.3	42.5	4.2
2	3NX3 107	74	65.3	51	4.2
3	3NX3 108	81.5	77.5	57.5	4.7

IP2X 绝缘盖
IP2X molded plastic cover



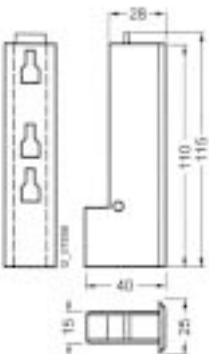
制造等级 00, Size 00

IP2X 绝缘防尘盖
IP2X molded plastic shrouding cover

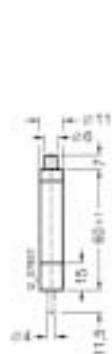


制造等级 00, Size 00

熔断器监视装置Fuse monitoring



信号探测器底座
Signal detector baes



信号探测器
Signal detector link

卡装式柱形熔断器及其底座

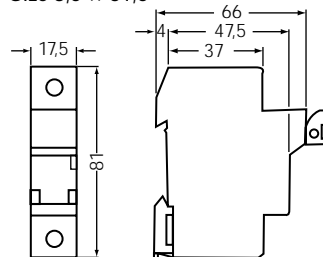
Flush-Mounting Fuse Bases and Cylindrical Fuse Links

3NW7 卡装式熔断器底座

3NW7 flush-mounting fuse bases

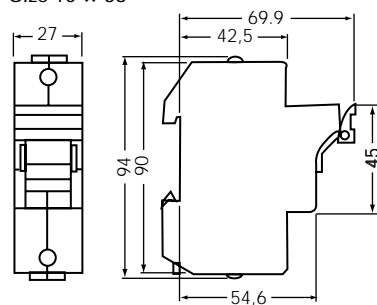
制造等级 8,5 × 31,5

Size 8,5 × 31,5



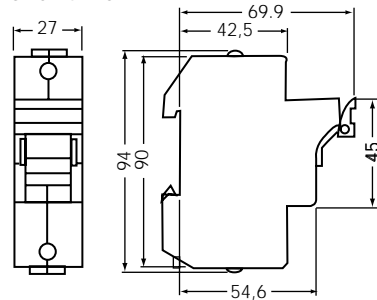
制造等级 10 × 38

Size 10 × 38



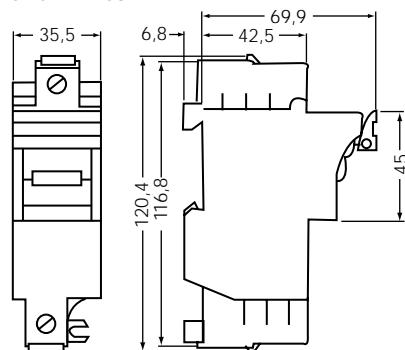
制造等级 14 × 51

Size 14 × 51



制造等级 22 × 58

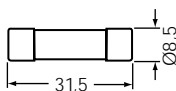
Size 22 × 58



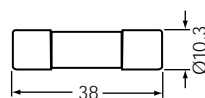
3NW6, 3NW8 柱形熔断器

3NW6, 3NW8 cylindrical fuse links

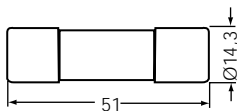
3NW6 3



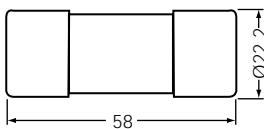
3NW6 0, 3NW8 0



3NW6 1, 3NW8 1

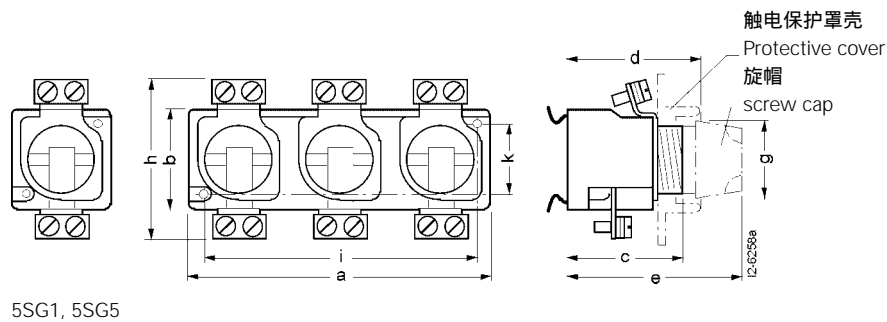


3NW6 2, 3NW8 2



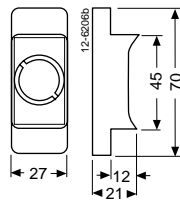
制造等级 / Size	型号 / Type	尺寸 / Dimension			
		a	b	c	d
0	3NX2 030	87.6	178.5	7.7	12.3
1	3NX2 024	107.3	202.5	7.7	12.3
2	3NX2 025	115.3	227.5	14.2	25.1
3	3NX2 026	129.8	242.5	20.2	37.2

外形尺寸
Dimension Drawing

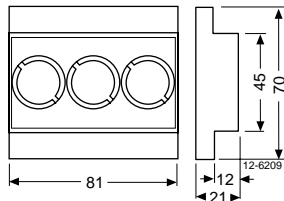


设计 Design	型号 Type	制造等级 Size	接线方式 Type of connection	a	b	c	d	e	g 不可密封 / 可密封 not sealable/sealable	h	i	k
触电保护罩壳卡板固定 / snap-on with protective cover												
1 pole	5SG1 573	D 01	B	26.9	36	42	56	70	23/26.5	59	-	-
	5SG1 673	D 02	S	26.9	36	42	56	70	23/26.5	59	-	-
	5SG1 683	D 02	KS	26.9	36	42	56	70	23/26.5	59	-	-
	5SG1 812 ¹⁾	D 03	KS	44.9	50	44	54.5	76	44	86	-	-
3 pole	5SG5 573	D 01	B	80.5	36	42	56	70	23/26.5	59	-	-
	5SG5 673	D 02	S	80.5	36	42	56	70	23/26.5	59	-	-
	5SG5 683	D 02	KS	80.5	36	42	56	70	23/26.5	59	-	-
接线方式: B= 插入式端子 S= 夹持式端子 KS= 进线端: 顶部接触螺丝 出线端: 夹持式端子				Type of connection: B = Clamp-type terminal S = Saddle-terminal KS = Inc. screw head-contact Out. saddle-terminal								

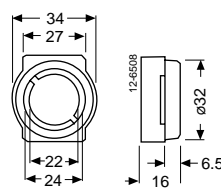
NEOZED 触电保护罩壳
NEOZED Protective cover



D01/D02
5SH5 231



D01/D02
5SH5 232

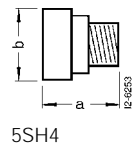


D01/D02
5SH5 205

¹⁾ 不带触电保护罩。
Without protective cover.

NEOZED 旋帽

NEOZED Screw cap

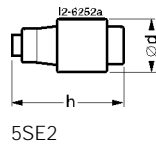


5SH4

型号 Type	制造等级 Size	可密封 plombable	安装深度 mounting depth	外型尺寸 Dimensions	
				a	b
5SH4 116	D01	-	55/70	24.5	23
5SH4 163	D02	-	55/70	24.5	23
5SH4 316	D01	×	70	33	26.5
5SH4 363	D02	×	70	33	26.5
5SH4 100	D03	-	70	37	44

NEOZED 熔断体

NEOZED Fuses links

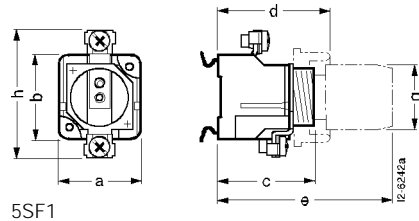


5SE2

制造等级 Size	I _n A	外型尺寸 Dimensions	
		d	h
D01	2-16	11	36
D02	20-63	15.3	36
D03	80-100	22.5	43

平齐安装 DIAZED 熔断器底座

Flush mounting DIAZED Fuses bases



5SF1

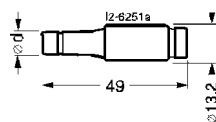
型号 Type	接线方式 Type of connection	a	b	c	d	e	øg	h
NDz/25A								
5SF1 012	K	29	49	44.6	55	75	32	49
DII/25A								
5SF1 005	kB	38.4	41	46.6	53	83	34	63
5SF1 024	KB	38.4	41	46.6	53	83	34	63
DIII/63A								
5SF1 205	KB	45.4	46	47	54	83	43	78
5SF1 215	S	45.4	46	47	54	83	43	78
5SF1224	KB/S	45.4	46	47	54	83	43	78

连接方式: K= 顶部接触螺丝, KB= 卡箍式端子, S= 夹持式端子

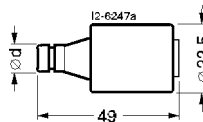
Type of connection: K = screw head-contact, KB=Clamp-terminal, S=Saddle-terminal

DIAZED、SILIZED 熔断体

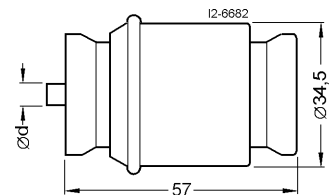
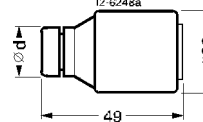
DIAZED ,SILIZED Fuses links



5SA

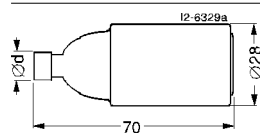


5SB, 5SD



5SC, 5SD5

类型 / Type	NDz/E16								DII/E 27								DIII/E 33			DIV/R 1 1/4"	
额定电流 / Rated Current A	2	4	6	10	16	20	25		2	4	6	10	16	20	25		35	50	63	80	100
直径 / Dimension (d)	6	6	6	8	10	12	14		6	6	6	8	10	12	14		16	18	20	5	7

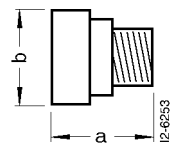


5SD8, 5SD6

类型 / Type	DIII/E 33											
额定电流 / Rated Current A	2	4	6	10	16	20	25	35	50	63		
直径 / Dimension (d)	6	6	6	8	10	12	14	16	18	20		

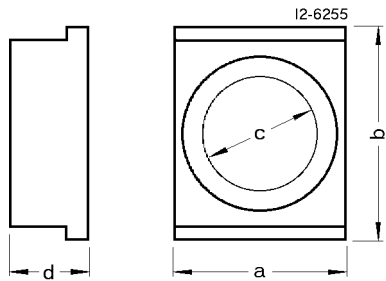
外形尺寸
Dimension Drawing

DIAZED 旋帽DIAZED Screw caps



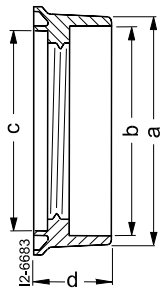
制造等级 Size	型号 Type	外型尺寸 Dimensions	
		a	øb
NDz/E 16	5SH1 11	35	26
	5SH1 221	42	33
DII/E 27	5SH1 12	45.5	34
	5SH1 22	43	39
	5SH1 231	42	40
DIII/E 33	5SH1 13	45.5	43
	5SH1 23	47	45
	5SH1 170	68	43
DIII/E 33	AC 690 V		
	AC/DC 750 V		
	5SH1 161	48	48

DIAZED 触电保护罩壳DIAZED Protective cover



型号 Type	外型尺寸 Dimensions			
	a	b	øc	d
5SH2 032	41	51	27.5	19
5SH2 232	52	51	34.5	18.5

DIAZED 瓷套管DIAZED Collars



型号 Type	外型尺寸 Dimensions			
	a	b	øc	d
5SH3 30	28	E16		15
5SH3 32	41.5	35	38	17.5
5SH3 34	51.5	45	44	19
5SH3 36	78	70.5	58.5	23

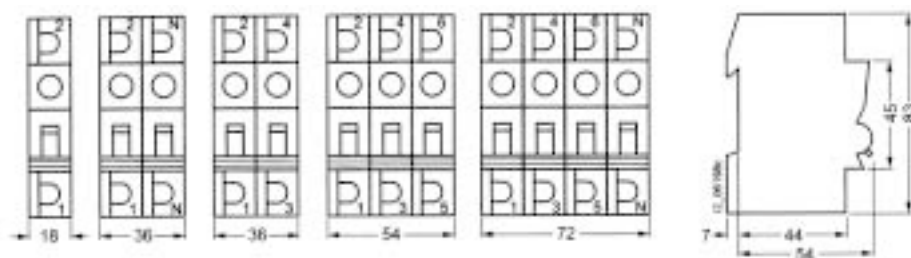
MINIZED 熔断器隔离开关

MINIZED Switch-disconnector D01

5SG7 MINIZED 熔断器隔离开关

5SG7 N-type MINIZED switch disconnector with draw-out assembly, D01

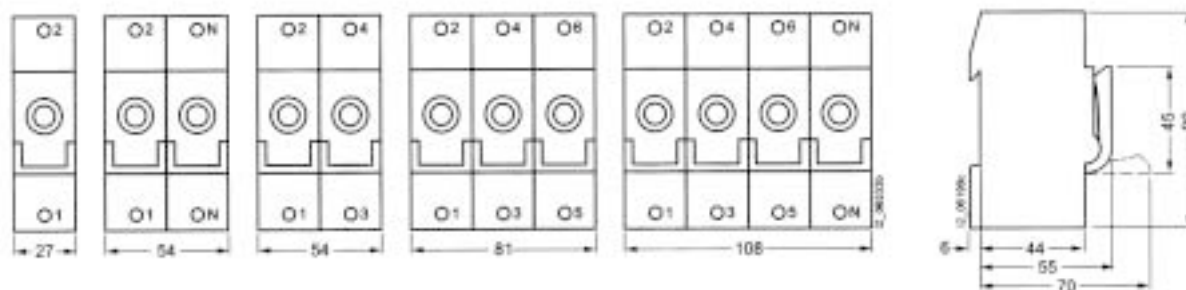
5SG7 7



5SG7 MINIZED 熔断器隔离开关

5SG7 N-type MINIZED switch disconnector with screw connection, D02

5SG7 1, 5SG7 8..



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